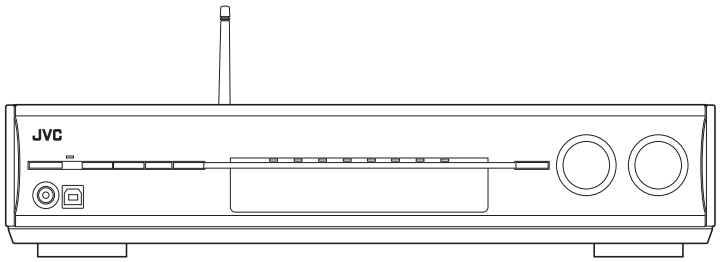
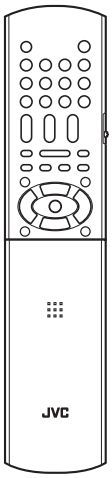
JVC

SERVICE MANUAL

AUDIO / VIDEO CONTROL RECEIVER

RX-D302B,RX-D301S





RX-D302B
Area suffix
J ---------- U.S.A.
C ---------- Canada

RX-D301S
Area suffix
J ---------- U.S.A.

DOLBY DIGITAL • EX PRO LOGIC IIx

dts 96/24 ES NEO:6

AV COMPU LINK

CONVERTER

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB383
2005/6

SPECIFICATION

Output Power	At stereo operation	Front channels	110 W per channel, min. RMS, driven into 6 Ω at 40 Hz to 20 kHz with no more than 0.8% total harmonic distortion.
	At surround operation	Front channels	110 W per channel, min. RMS, driven into 6 Ω at 1 kHz with no more than 0.8% total harmonic distortion.
		Center channel	110 W, min. RMS, driven into 6 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
		Surround channels	110 W per channel, min. RMS, driven into 6 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
		Surround back channels	110 W per channel, min. RMS, driven into 6 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
Audio	Audio Input Sensitivity/Impedance	DVR/DVD (DVD MULTI), VCR, DBS, TV	270 mV/47 kΩ
	Audio Input (DIGITAL IN)*1	Coaxial: DIGITAL IN 1(DVR/DVD)	0.5 V(p-p)/75 Ω
		Optical: DIGITAL IN 2(DBS), 3(VCR):	-21 dBm to -15 dBm (660 nm ±30 nm) USB: USB WIRELESS USB TERMINAL
	Audio Output Level	DVR, VCR	270 mV
	Signal-to-Noise Ratio ('66 IHF/'78 IHF)		80 dB/62 dB
	Frequency Response (6 Ω)		20 Hz to 20 kHz (±1 dB)
	Bass Boost		+4 dB ±1 dB at 100 Hz
	Equalization (at DSP operation)	Center frequency	63 Hz, 250 Hz, 1 kHz, 4 kHz, 16 kHz
		Control range	±8 dB
Video	Video Input Sensitivity/Impedance	Composite video: DVR/DVD, VCR, DBS	1 V(p-p)/75 Ω
		S-video: DVR/DVD, VCR, DBS	Y (luminance): 1 V(p-p)/75 Ω C (chrominance, burst): 0.286 V(p-p)/75 Ω
		Component: DVR/DVD, VCR (DBS)	Y (luminance): 1 V(p-p)/75 Ω PB, PR: 0.7 V(p-p)/75 Ω
	Video Output Level/Impedance	Composite video: DVR, VCR, MONITOR OUT	1 V(p-p)/75 Ω
		S-video: DVR, VCR, MONITOR OUT	Y (luminance): 1 V(p-p)/75 Ω C (chrominance, burst): 0.286 V(p-p)/75 Ω
		Component: MONITOR OUT	Y (luminance): 1 V(p-p)/75 Ω PB, PR: 0.7 V(p-p)/75 Ω
	Synchronization:		Negative
FM tuner (IHF)	Tuning Range		87.5 MHz to 108.0 MHz
	Usable Sensitivity	Monaural	12.8 dBf (1.2 μV/75 Ω)
	50 dB Quieting Sensitivity	Monaural	16.0 dBf (1.7 μV/75 Ω)
		Stereo	37.5 dBf (20.5 μV/75 Ω)
	Stereo Separation at REC OUT		35 dB at 1 kHz
AM tuner	Tuning Range		530 kHz to 1 710 kHz
General	Power Requirements		AC 120 V , 60 Hz
	Power Consumption		150 W/200 VA (at operation) 0.9 W (in standby mode)
	Dimensions (W × H × D)		435 mm × 91.5 mm × 371 mm (17 3/16 inches × 3 5/8 inches × 14 5/8 inches)
	Mass		6.8 kg (15.0 lbs)

*1: Corresponding to Linear PCM, Dolby Digital, and DTS (with sampling frequency -32 kHz, 44.1 kHz, 48 kHz).

The USB wireless transmitter supplied with this receiver supports Direct Sequence Spreading Spectrum (DSSS) using 2.4 GHz frequency band.

USB WIRELESS SYSTEM

Designs and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

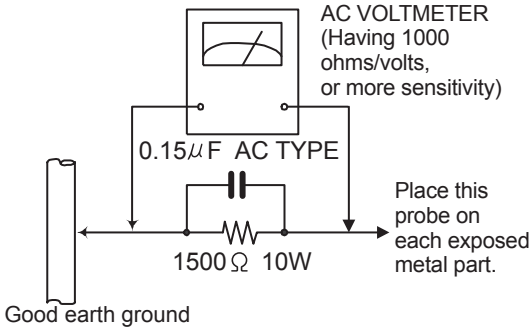
(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
  Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
  Measure the AC voltage across the resistor with the AC voltmeter.
  Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

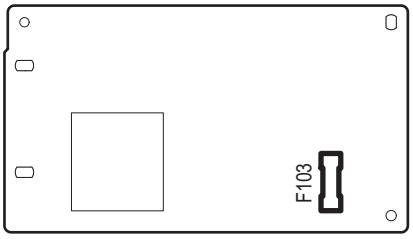
Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

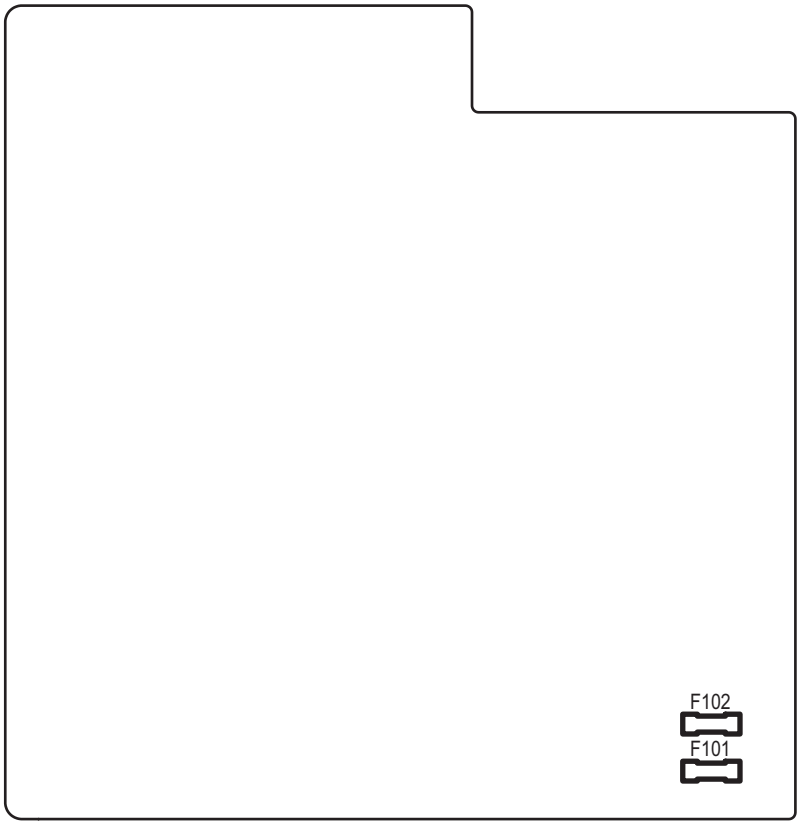
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Importance administering point on the safety

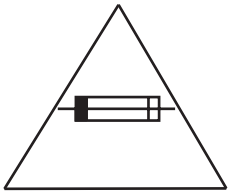
Primary board (Forward side)



Main amplifier board (Forward side)



For USA and Canada / pour Etats - Unis d' Amérique et Canada

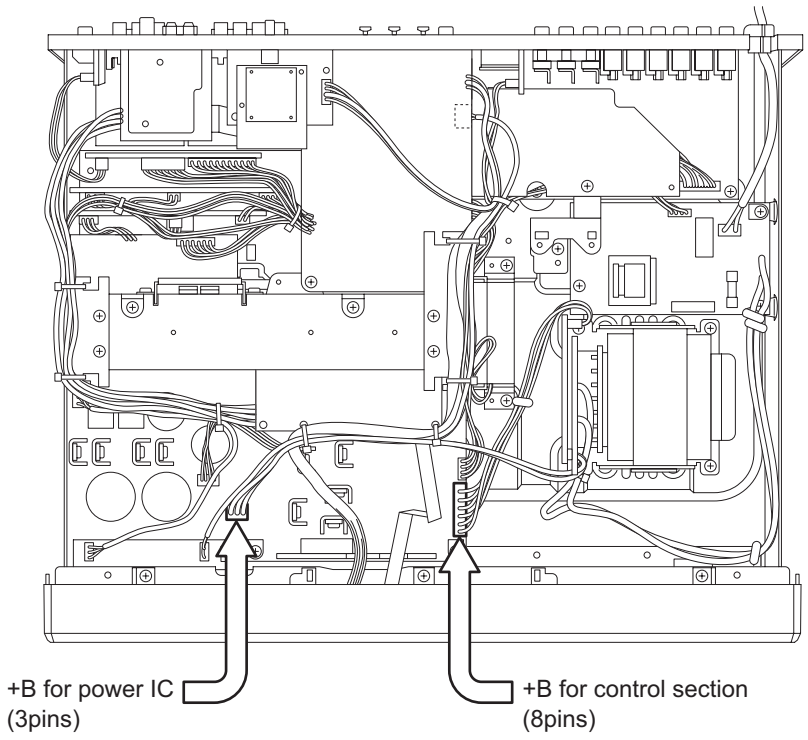


Caution: For continued protection against risk of fire, replace only with same type 2 A/125 V for F101, 2 A/125 V for F102, 6.3 A/125 V for F103. This symbol specifies type of fast operating fuse.

Précaution: Pour eviter risques de feux, remplacez le fusible de sureté de F101 comme le meme type que 2 A/125 V, 2 A/125 V pour F102, et 6,3 A/125V pour F103.
Ce sont des fusibles sûretes qui functionnes rapide.

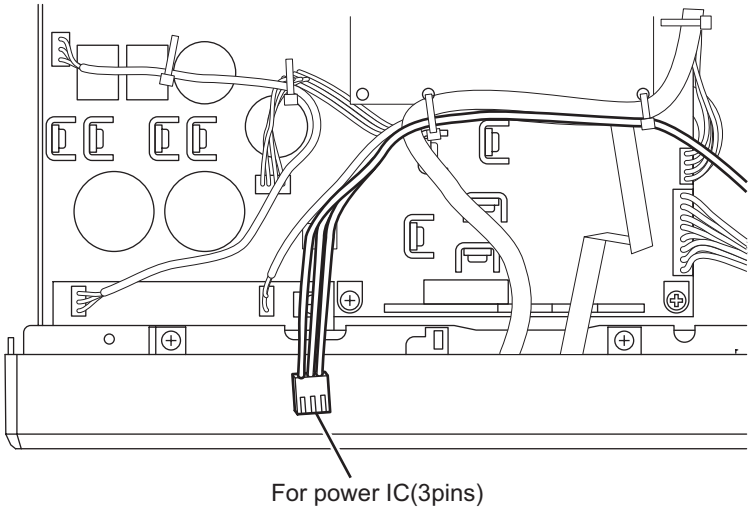
1.6 Caution after repairs

There are two power supply as the second power supply of the transformer.
One is a power supply for power IC(3pin), and another is a power supply for the control(5pin).



There are two power supply as the second power supply of the transformer.
One is a power supply for power IC(3pin), and another is a power supply for the control(8pin).

Please connect first of all and confirm the power supply for the control when you do the energizing examination after it completes of the repair.



Please never do the energizing examination in a power supply of power IC alone.
Moreover, when the control system breaks down, power IC is occasionally damaged.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body section

3.1.1 Removing the top cover (See Figs.1 and 2)

(1) From the both sides of the main body, remove the four screws **A** attaching the top cover. (See Fig.1)
(2) From the back side of the main body, remove the five screws **B** and screw **C** attaching the top cover. (See Fig.2)
(3) Remove the top cover in the direction of the arrow. (See Fig.1.)

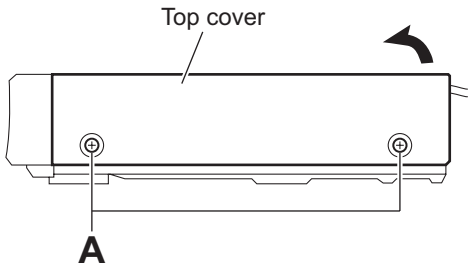


Fig.1

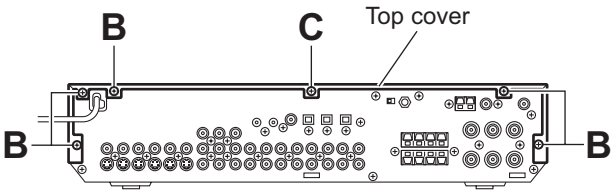


Fig.2

3.1.2 Removing the front panel assembly (See Figs.3 and 4)

- Remove the top cover.

(1) From the top side of the main body, remove the tie bands bundling the wires. (See Fig.3.)

Reference:

After reassembling, bundle the wires with the new tie bands as before. (See Fig.3.)

(2) Disconnect the card wire from the connector CN102 on the main amplifier board. (See Fig.3)

(3) Disconnect the wire from the connector CN351 on the main amplifier board. (See Fig.3)

(4) Disconnect the wire from the connector CN552 on the input board. (See Fig.3)

(5) Disconnect the wire from the connector CN661 on the volume board. (See Fig.3)

(6) Remove the three screws **D** attaching the front panel assembly. (See Fig.3)

(7) Remove the screw **D** attaching the OSD connect 2 board. (See Fig.3)

(8) From the bottom side of the main body, remove the four screws **E** attaching the front panel assembly. (See Fig.4)

(9) Release the joints **a** and remove the front panel assembly in the direction of the arrow. (See Fig.4)

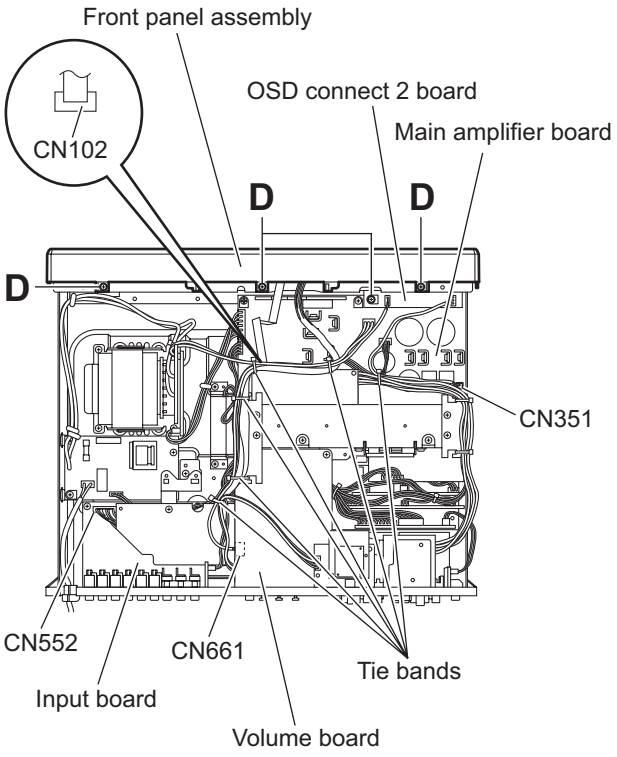


Fig.3

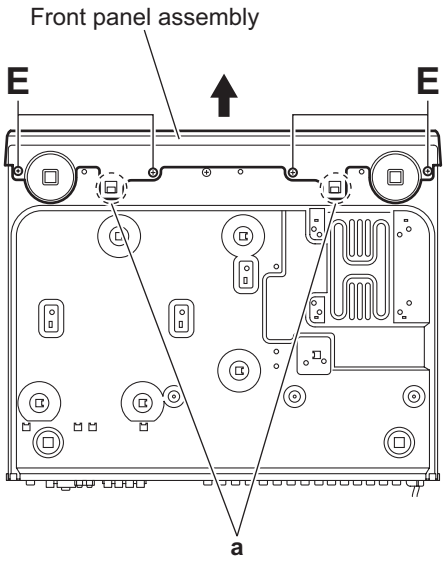


Fig.4

3.1.3 Removing the rear panel (See Fig.5)

- Remove the top cover.
  (1) From the back side of the main body, remove the strain relief from the rear panel in the direction of the arrow and remove the power cord.
  (2) Remove the twenty-nine screws **F** attaching the rear panel.
  (3) Remove the nut and washer attaching the coaxial connector to the rear panel.

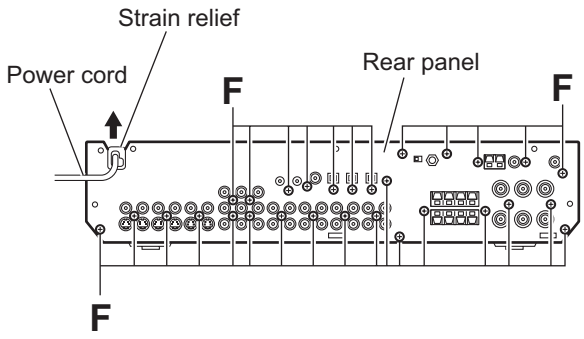


Fig.5

3.1.4 Removing the tuner (See Fig.6)

- Remove the top cover.
  (1) From the top side of the main body, disconnect the card wire from the connector CN1 on the tuner.
  (2) From the back side of the main body, remove the two screws **G** attaching the tuner to the rear panel and take out the tuner.

3.1.5 Removing the subwoofer board (See Fig.6)

- Remove the top cover.
  (1) From the top side of the main body, disconnect the wire from the connector CN524 on the subwoofer board.
  (2) From the back side of the main body, remove the screw **H** attaching the subwoofer board to the rear panel and take out the subwoofer board.

3.1.6 Removing the compulink board (See Fig.6)

- Remove the top cover.
  (1) From the top side of the main body, disconnect the wire from the connector CN565 on the compulink board.
  (2) From the back side of the main body, remove the screw **J** attaching the compulink board to the rear panel and take out the compulink board.

3.1.7 Removing the front video board (See Fig.6)

- Remove the top cover.
  (1) From the top side of the main body, remove the tie band bundling the wires.

  Reference:
  After reassembling, bundle the wires with the new tie band as before.
  (2) Disconnect the wire from the connector CN662 on the volume board
  (3) From the back side of the main body, remove the two screws **K**.
  (4) Remove the nut and washer attaching the coaxial connector to the rear panel.

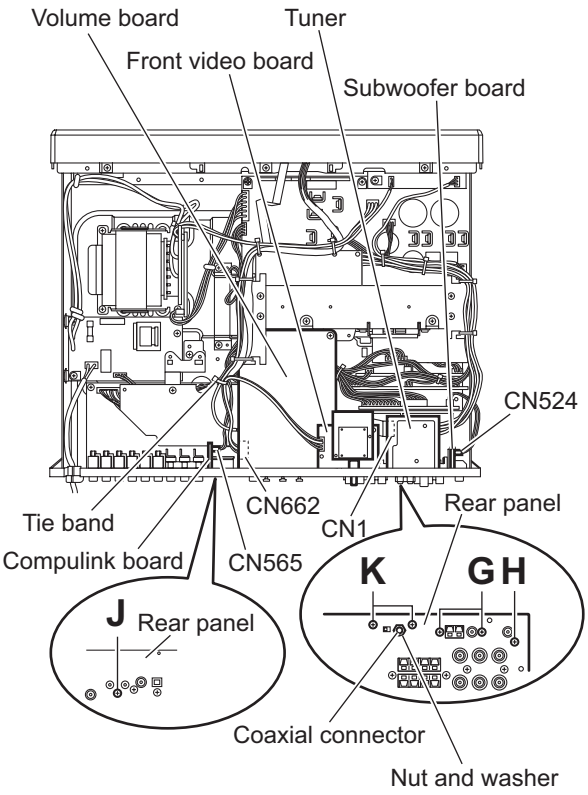


Fig.6

3.1.8 Removing the power transformer (See Fig.7)

• Remove the top cover.

(1) From the top side of the main body, remove the tie bands bundling the wires.

Reference:

After reassembling, bundle the wires with the new tie bands as before.

(2) Release the wire holder to remove the wires.

(3) Disconnect the wires from the connectors (CN106, CN111) on the main amplifier board.

(4) Remove the soldered sections **b** and remove the wires.

(5) Remove the four screws **M** and take out the power transformer from the main body.

3.1.9 Removing the trans primary board (See Fig.7)

• Remove the top cover.

(1) From the top side of the main body, remove the tie band bundling the wires.

Reference:

After reassembling, bundle the wires with the new tie band as before.

(2) Remove the wires from the soldered sections **b** and remove the wires.

(3) Remove the solders from the soldered sections **c** and remove the trans primary board.

3.1.10 Removing the trans secondary board (See Fig.7)

• Remove the top cover and power transformer.

From the side of the power transformer, remove the solders from the soldered sections **d** and remove the trans secondary board.

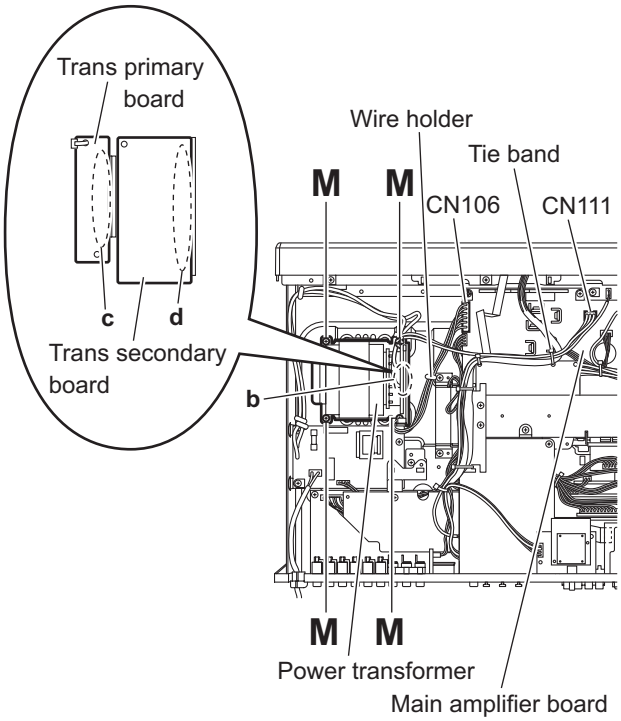


Fig.7

3.1.11 Removing the DCDC control board (See Fig.8)

• Remove the top cover.

From the top side of the main body, disconnect the DCDC control board from the main amplifier board in an upward direction while releasing the claw **e** of the connector CN152 on the main amplifier board.

Note:

When releasing the claw **e**, take care not to break it.

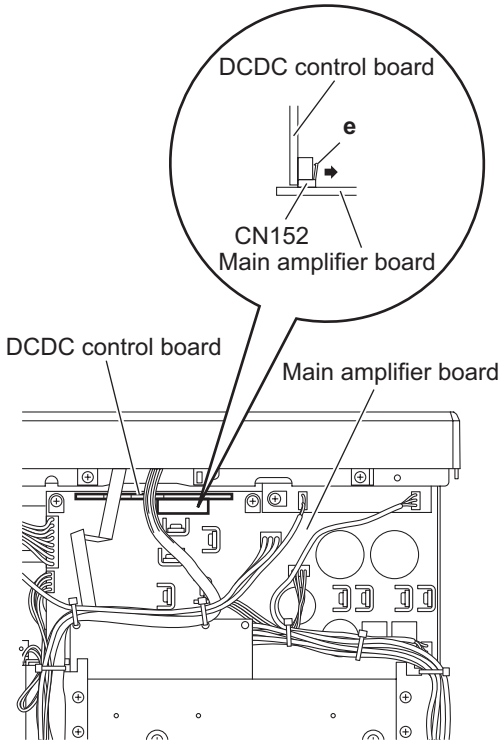


Fig.8

3.1.12 Removing the PWM modulation 1 board (See Fig.9)

- Remove the top cover.
  (1) From the top side of the main body, remove the tie band bundling the wires.

  Reference:
  After reassembling, bundle the wires with a new tie band as before.
  (2) Disconnect the wire from the connector CN413 on the PWM modulation 2 board.
  (3) Disconnect the wires from the connectors (CN311, CN312, CN313) on the PWM modulation 1 board.
  (4) Disconnect the PWM modulation 1 board from the main amplifier board in an upward direction while releasing the claw **f** of the connector CN302 on the main amplifier board.

Note:
When releasing the claw **f**, take care not to break it.

3.1.13 Removing the PWM modulation 2 board (See Fig.9)

- Remove the top cover.
  (1) From the top side of the main body, disconnect the wires from the connectors (CN411, CN412, CN413) on the PWM modulation 2 board.
  (2) Disconnect the PWM modulation 2 board from the main amplifier board in an upward direction while releasing the claw **g** of the connector CN402 on the main amplifier board.

Note:
When releasing the claw **g**, take care not to break it.

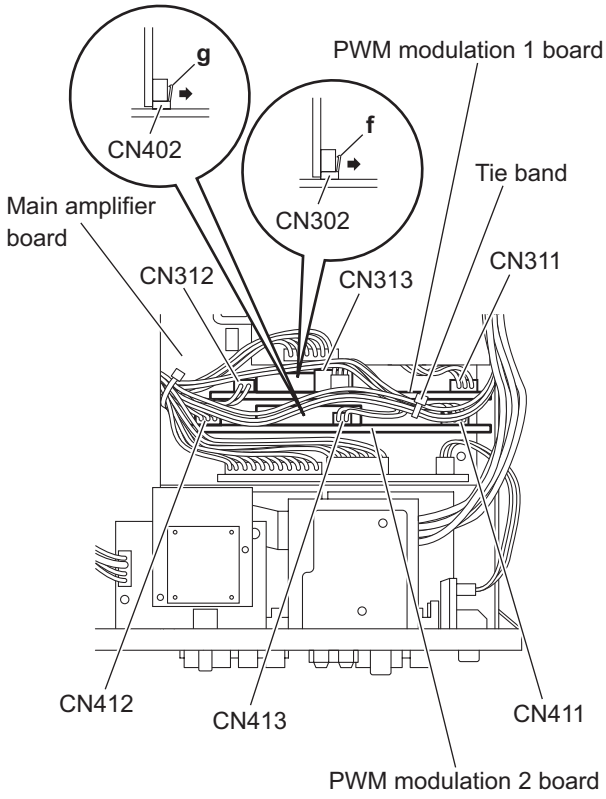


Fig.9

3.1.14 Removing the fan motor (See Fig.10.)

- Remove the top cover.
  (1) From the top side of the main body, remove the tie band bundling the wires.

  Reference:
  After reassembling, bundle the wires with a new tie band as before.
  (2) Disconnect the wire from the connector CN103 on the main amplifier board.
  (3) Remove the screw **N** and screw **N'**.

  Reference:
  When attaching the screw **N'**, attach the wire holder with it.
  (4) Take out the fan motor assembly.
  (5) Remove the two screws **P** attaching the fan motor to the fan bracket.

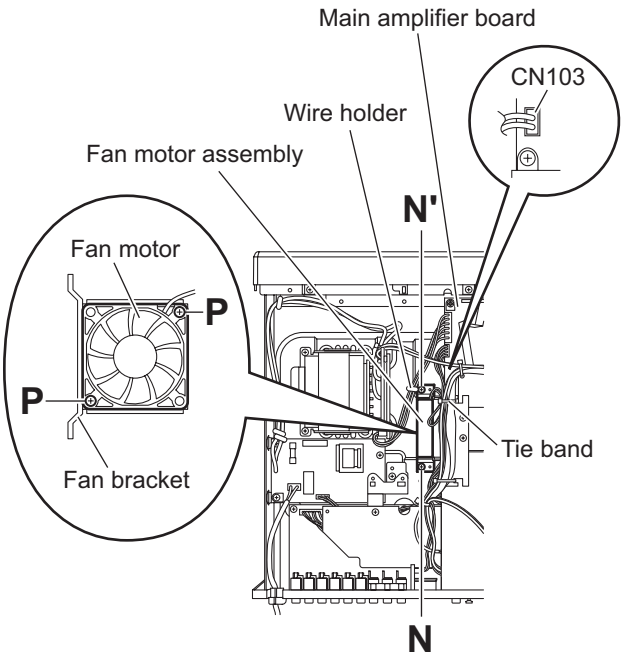


Fig.10

3.1.15 Removing the volume board (See Fig.11)

- Remove the top cover and front video board.

(1) From the back side of the main body, remove the five screws **Q** attaching the volume board to the rear panel.
(2) Remove the screw **R** attaching the volume board.
(3) From the top side of the main body, remove the two screws **S** attaching the wire holder board and move the wire holder board with the wires in the direction of the arrow.
(4) Disconnect the volume board from the DSP connect board while releasing the claw **h** of the connector CN681 on the volume board.

Note:
When releasing the claw **h**, take care not to break it.

(5) Take out the volume board and disconnect the wires from the connectors (CN661, CN682, CN683) on the forward side of the volume board.

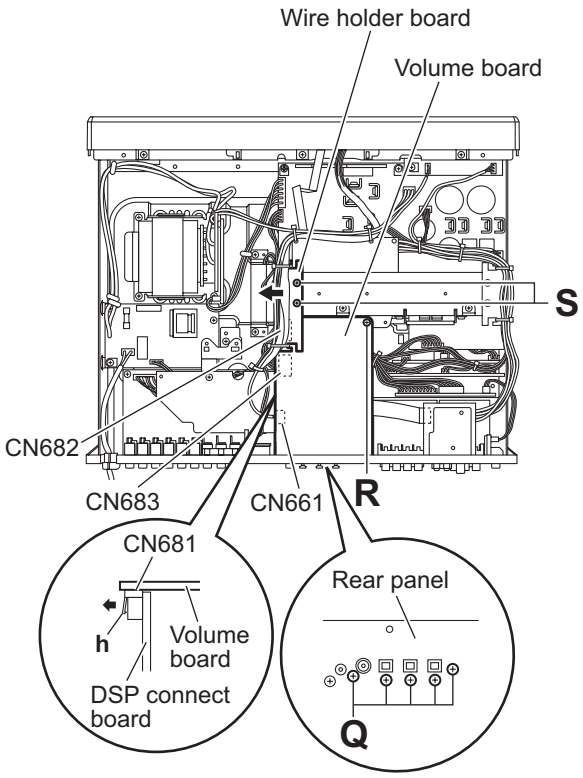


Fig.11

3.1.16 Removing the OSD board
(See Fig.12)

- Remove the top cover, front video board and volume board.

(1) Remove the solder from the section **j** to remove the earth wire.
(2) Remove the screw **T** attaching the support bracket on the chassis base.
(3) Disconnect the OSD board from the connect 1 board and connect 2 board while releasing the claws (**k**, **m**) of the connectors (CN582, CN584) on the OSD board.

Note:
When releasing the claws (**k**, **m**), take care not to break them.

(4) Remove the screw **U** to remove the support bracket from the OSD board.

3.1.17 Removing the primary board
(See Fig.12)

- Remove the top cover, front video board, volume board and OSD board.

(1) From the top side of the main body, remove the tie bands and disconnect the wire from the connector CN10 on the main amplifier board.

Reference:
After connecting the wire, bundle the wires with the new tie bands as before.

(2) Disconnect the power cord from the connector CN120 on the primary board.
(3) Remove the three screws **V** and screw **V'** attaching the primary board.

Reference:
When attaching the screw **V'**, attach the wire holder with it as before.

(4) Take out the primary board from the main body and remove the wires from the soldered sections **n** on the reverse side of the primary board.

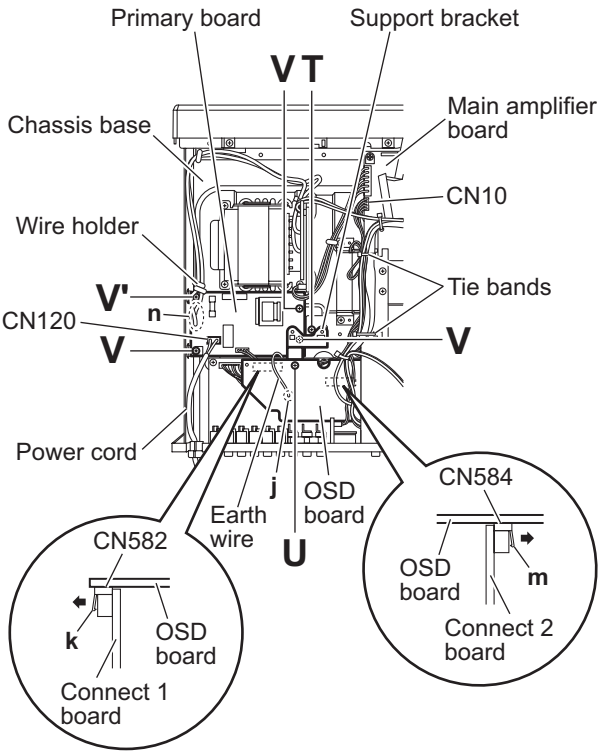


Fig.12

3.1.18 Removing the speaker terminal 1 and speaker terminal 2 boards
(See Fig. 13)

- Remove the top cover and rear panel.

Reference:
Remove the tuner and subwoofer board as required.

(1) From the top side of the main body, disconnect the wires from the connectors (CN265, CN465) on the speaker terminal 1 board.
(2) Take out the speaker terminal 1 board from the main body.
(3) Disconnect the wires from the connectors (CN209, CN262) on the speaker terminal 2 board.
(4) Take out the speaker terminal 2 board from the main body.

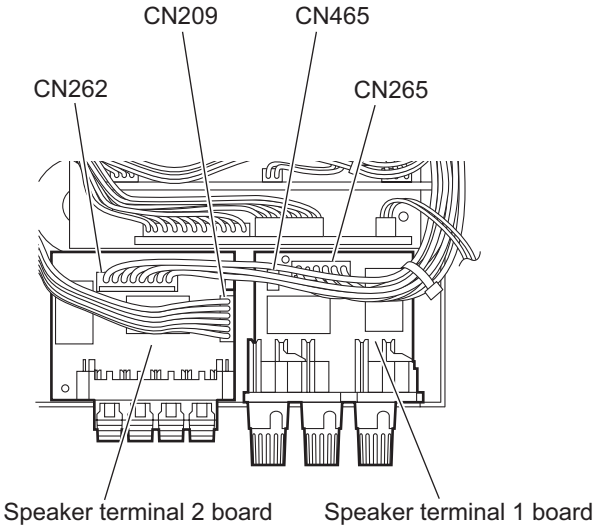


Fig.13

3.1.19 Removing the DSP connect board (See Fig.14)

• Remove the top cover, rear panel, tuner, compulink board, front video board, volume board and OSD board.

Disconnect the DSP connect board from the input board in an upward direction while releasing the claw **p** of the connector CN502 on the input board.

Note:

When releasing the claw **p**, take care not to break it.

3.1.20 Removing the connect 1 board and connect 2 board (See Fig.14)

• Remove the top cover, rear panel, tuner, compulink board, front video board, volume board and OSD board.

Disconnect the connect 1 board and connect 2 board from the input board in an upward direction while releasing the claws (**q**, **r**) of the connectors (CN581, CN583) on the input board.

Note:

When releasing the claws (**q**, **r**), take care not to break them.

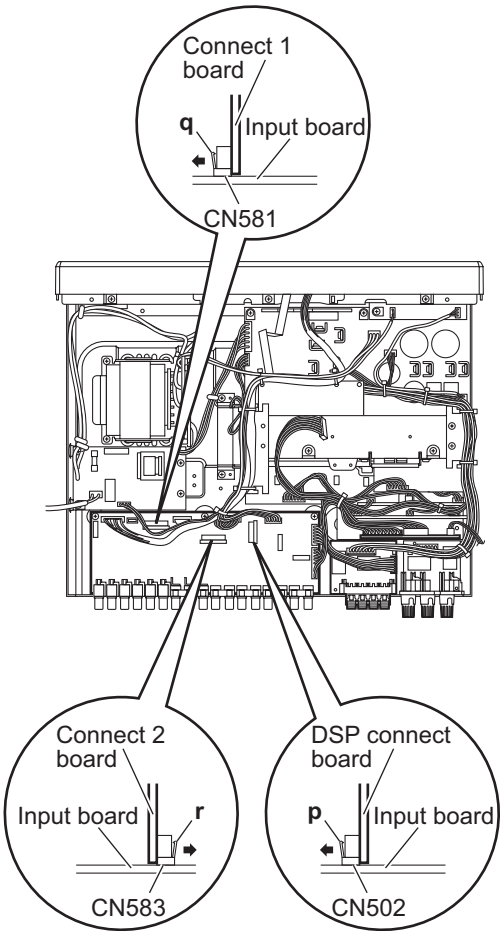


Fig.14

3.1.21 Removing the input board (See Fig. 15)

• Remove the top cover, rear panel, tuner, compulink board, front video board, volume board, DSP connect board, connect 1 board and connect 2 board.

(1) Remove the tie band bundling the wires.

Reference:

After reassembling, bundle the wires with the new tie band as before.

(2) Disconnect the wire from the connector CN209 on the speaker terminal 2 board.

(3) Disconnect the wire from the connector CN513 on the OSD connect 1 board.

(4) Disconnect the wires from the connectors (CN530, CN531, CN552) on the input board.

(5) Disconnect the parallel wire from the connector CN540 on the input board.

(6) Remove the three screws **W** and take out the input board from the main body.

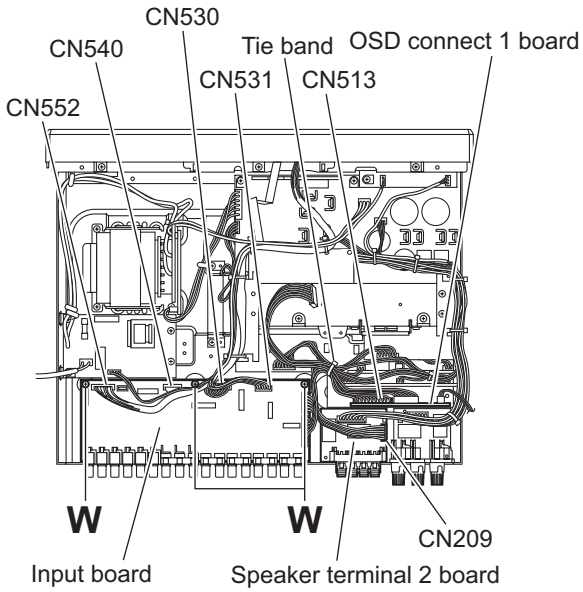


Fig.15

3.1.22 Removing the OSD connect 1 board (See Fig.16)

- Remove the top cover and volume board.
  (1) Remove the tie band bundling the wires.
  (2) Disconnect the wire from the connector CN524 on the sub-woofer board.
  (3) Disconnect the wire from the connector CN513 on the OSD connect 1 board.
  (4) Disconnect the OSD connect 1 board from the main amplifier board in an upward direction while releasing the claw **s** of the connector CN222 on the main amplifier board.

Note:
When releasing the claw **s**, take care not to break it.

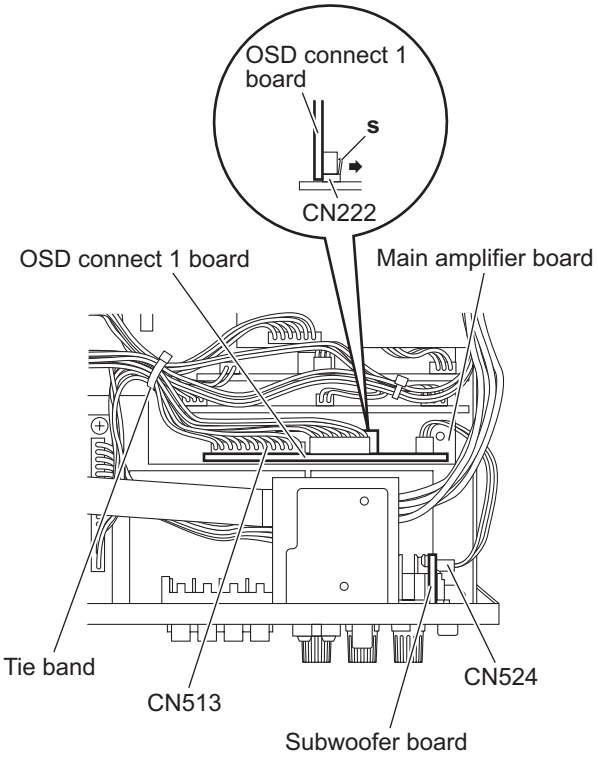


Fig.16

3.1.23 Removing the master clock board (See Fig.17)

- Remove the top cover, tuner, front video board, volume board, PWM modulation 1 board, PWM modulation 2 board and OSD connect 1 board.
  (1) Remove the two screws **X** with a short driver and remove the transistor hold from the joints **t** of the heat sink.
  (2) Disconnect the wire from the connector CN201 on the main amplifier board.
  (3) Take out the master clock board from the main body.

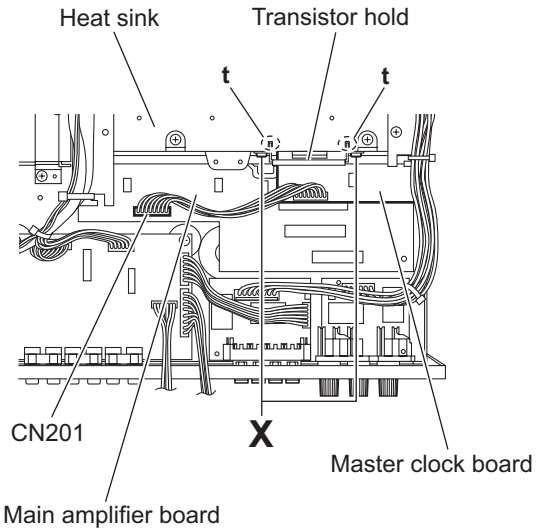


Fig.17

3.1.24 Removing the main amplifier board (See Figs.18 and 19)

- Remove the top cover, tuner, front video board, volume board, DCDC control board, PWM modulation 1 board, PWM modulation 2 board, OSD connect 1 board, OSD board and master clock board.
  (1) Disconnect the wire from the connector CN265 on the speaker terminal 1 board. (See Fig.18.)
  (2) Disconnect the wire from the connector CN262 on the speaker terminal 2 board. (See Fig.18.)
  (3) Remove the tie bands bundling the wires. (See Fig.18.)

  Reference:

  After reassembling, bundle the wires with the new tie bands as before. (See Fig.18.)
  (4) Disconnect the wires from the connectors (CN10, CN103, CN106, CN111, CN351) on the main amplifier board. (See Fig.18.)
  (5) Disconnect the card wire from the connector CN102 on the main amplifier board. (See Fig.18.)
  (6) Disconnect the wires from the connectors (CN530, CN531) on the input board. (See Fig.19.)
  (7) Disconnect the parallel wire from the connector CN540 on the input board. (See Fig.19.)
  (8) Remove the four screws **Y** and two screws **Z**. (See Fig.19.)
  (9) Take out the main amplifier board with the regulator board from the main body. (See Fig.19.)

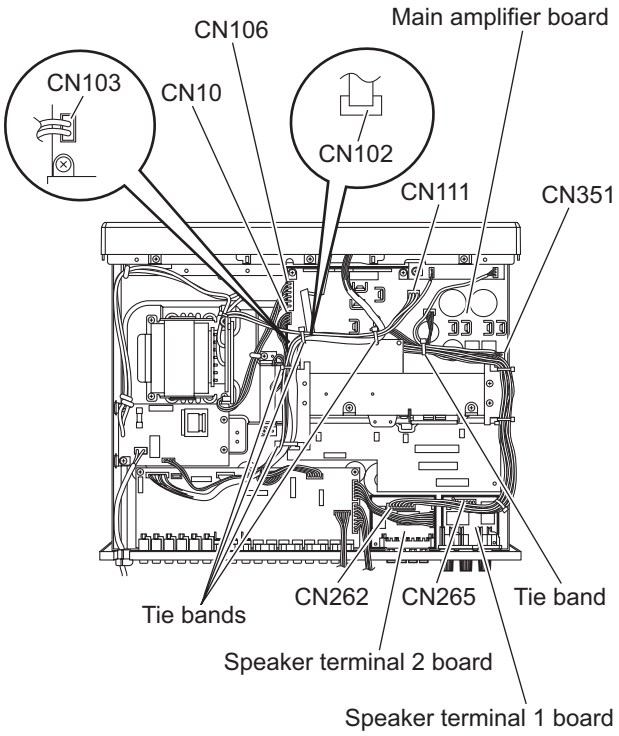


Fig.18

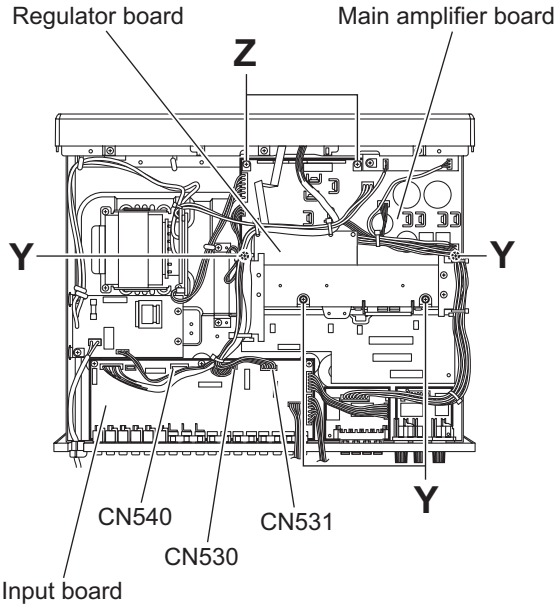


Fig.19

3.1.25 Removing the regulator board
(See Fig.20)

- Remove the top cover, tuner, front video board, volume board, DCDC control board, PWM modulation 1 board, PWM modulation 2 board, OSD connect 1 board, master clock board and main amplifier board.
  (1) From the forward side of the main amplifier board, disconnect the wire from the connector CN105.
  (2) Remove the two screws **AA** attaching the regulator board.
  (3) Remove the regulator board and disconnect the parallel wire from the connector CN104 on the main amplifier board.

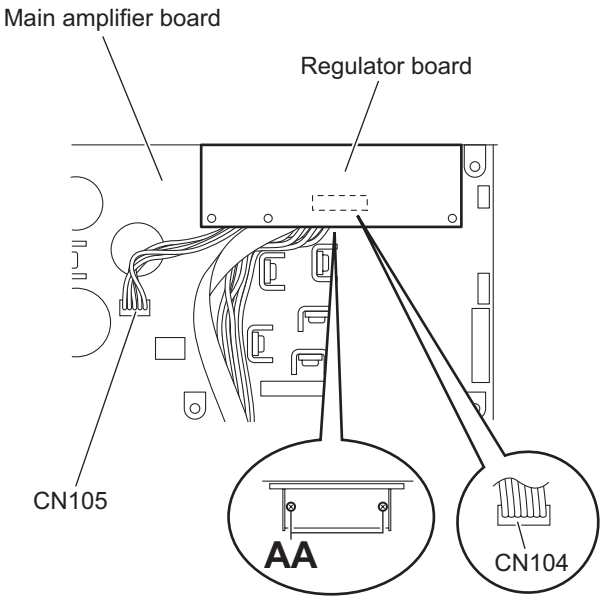


Fig.20

3.1.26 Removing the heat sink
(See Fig.21)

- Remove the top cover, tuner, front video board, volume board, DCDC control board, PWM modulation 1 board, PWM modulation 2 board, OSD connect 1 board, master clock board, main amplifier board and regulator board.
  (1) From the forward side of the main amplifier board, remove the screw **AB** and remove the wire holder board with the wires.
  (2) Remove the five screws **AC** to remove the heat sink.

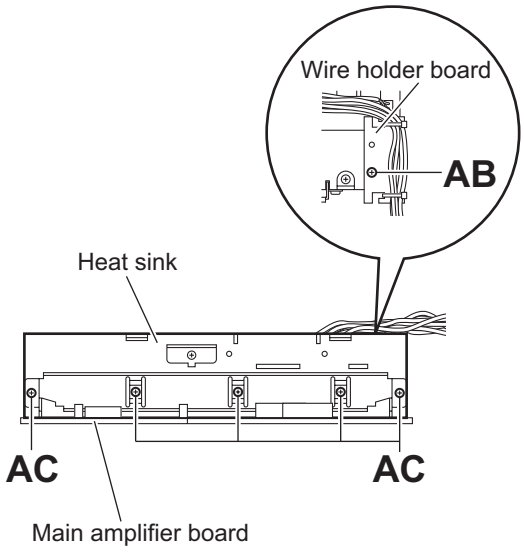


Fig.21

3.2 Front panel assembly section

• Remove the front panel assembly.
(See "3.1.2 Removing the front panel assembly".)

3.2.1 Removing the JOG board (See Figs. 1 and 2)

(1) From the inside of the front panel assembly, remove the four screws **A** attaching the JOG board. (See Fig.1.)
(2) Take out the JOG board while lifting it from the front panel assembly little by little.

Reference:
The master volume knob and MULTI JOG knob are removed from the front side simultaneously. (See Fig.2.)

(3) From the forward side of the JOG board, disconnect the wire from the connector CN913. (See Fig.1)

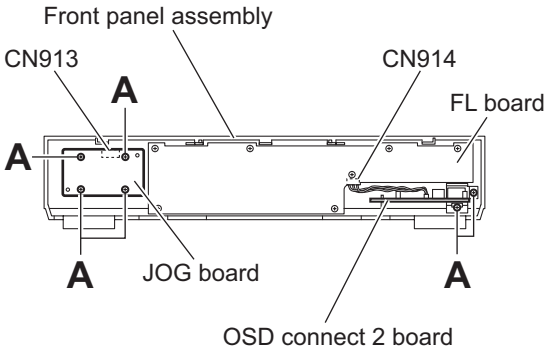


Fig.1

3.2.2 Removing the OSD connect 2 board (See Fig. 1)

(1) From the inside of the front panel assembly, remove the two screws **A** attaching the OSD connect 2 board.
(2) Disconnect the wire from the connector CN914 on the FL board.

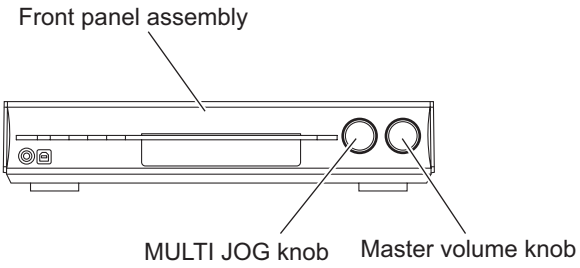


Fig.2

3.2.3 Removing the FL board (See Fig. 3)

• Remove the JOG board.
(1) Disconnect the wire from the connector CN914 on the FL board.
(2) Remove the eight screws **A** and take out the FL board.

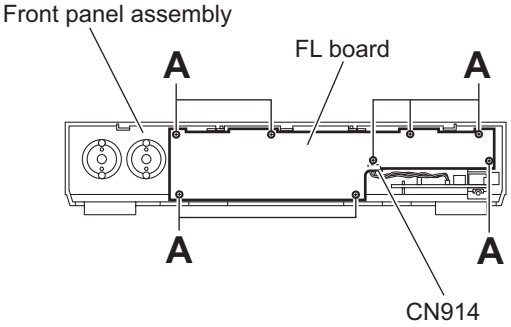


Fig.3

SECTION 4
ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB383)

Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

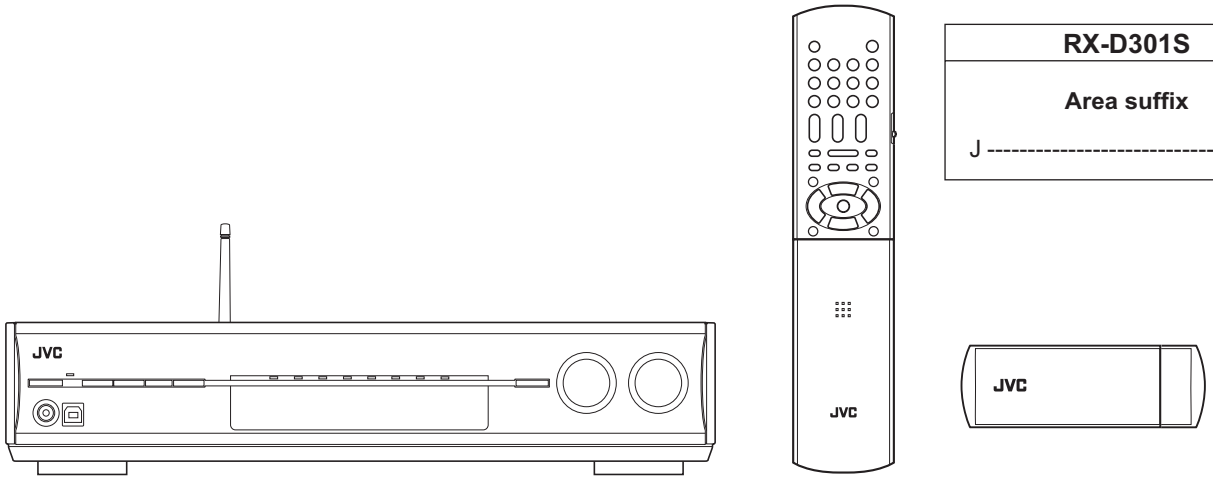
AUDIO / VIDEO CONTROL RECEIVER

RX-D302B,RX-D301S

CD-ROM No.SML200506

RX-D302B
Area suffix
J ---------- U.S.A. C ---------- Canada

RX-D301S
Area suffix
J ---------- U.S.A.



DOLBY DIGITAL • EX PRO LOGIC IIx

dts 96/24 ES NEO:6

AV COMPU LINK

CONVERTER

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagram ---------- 2-1
Standard schematic diagrams ---------- 2-3
Printed circuit boards ---------- 2-25 to 32

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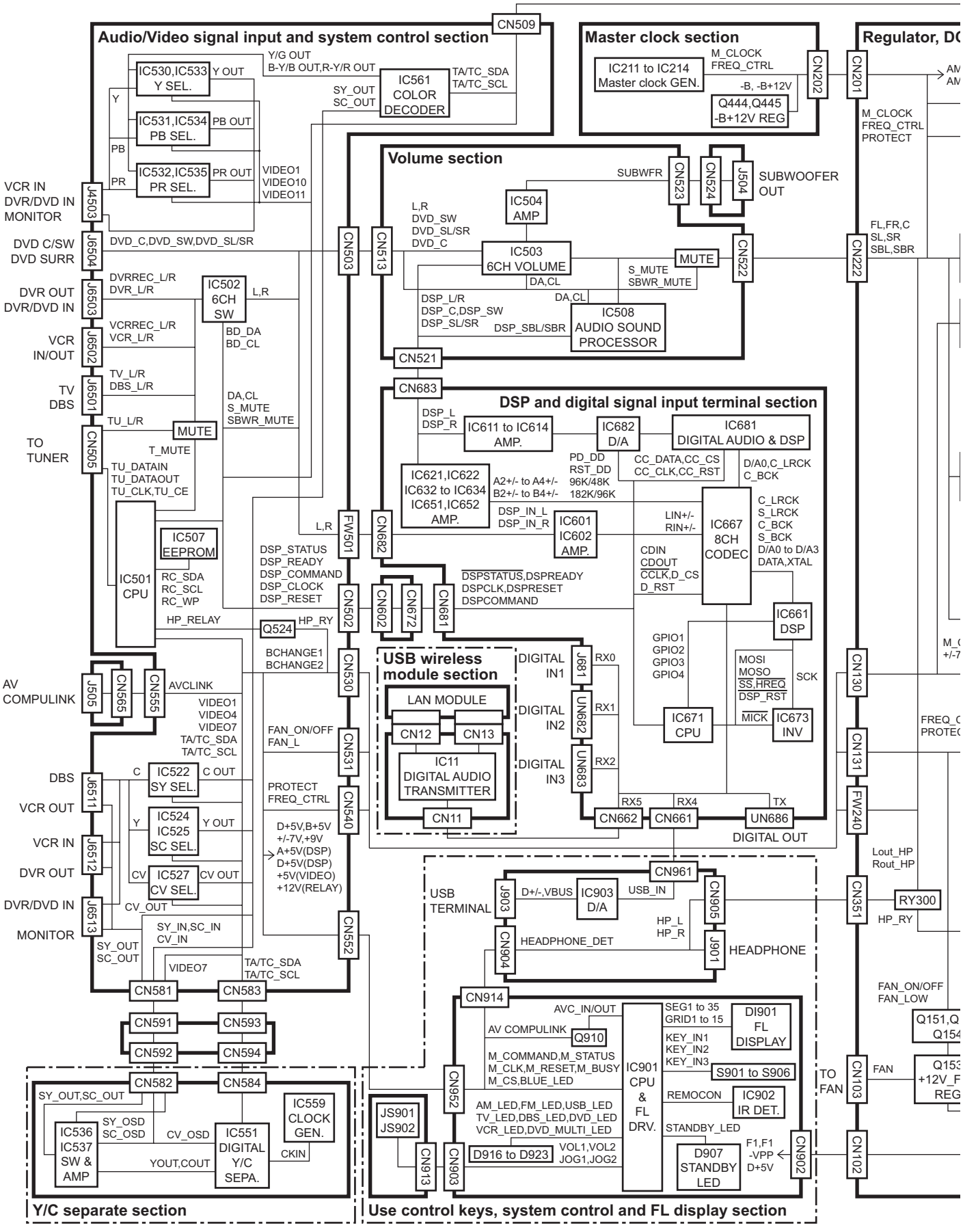
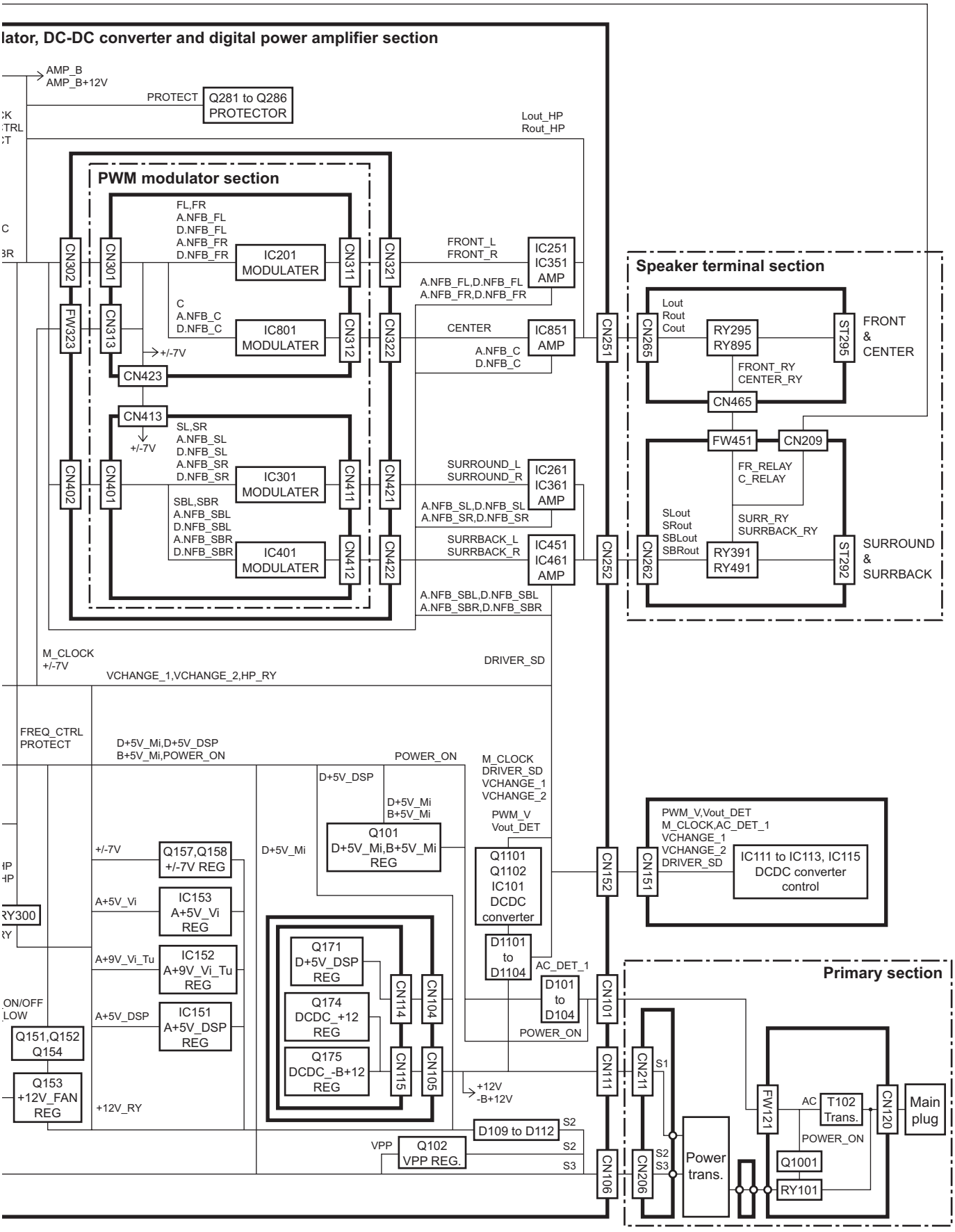
No.MB383SCH
2005/6

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

< MEMO >

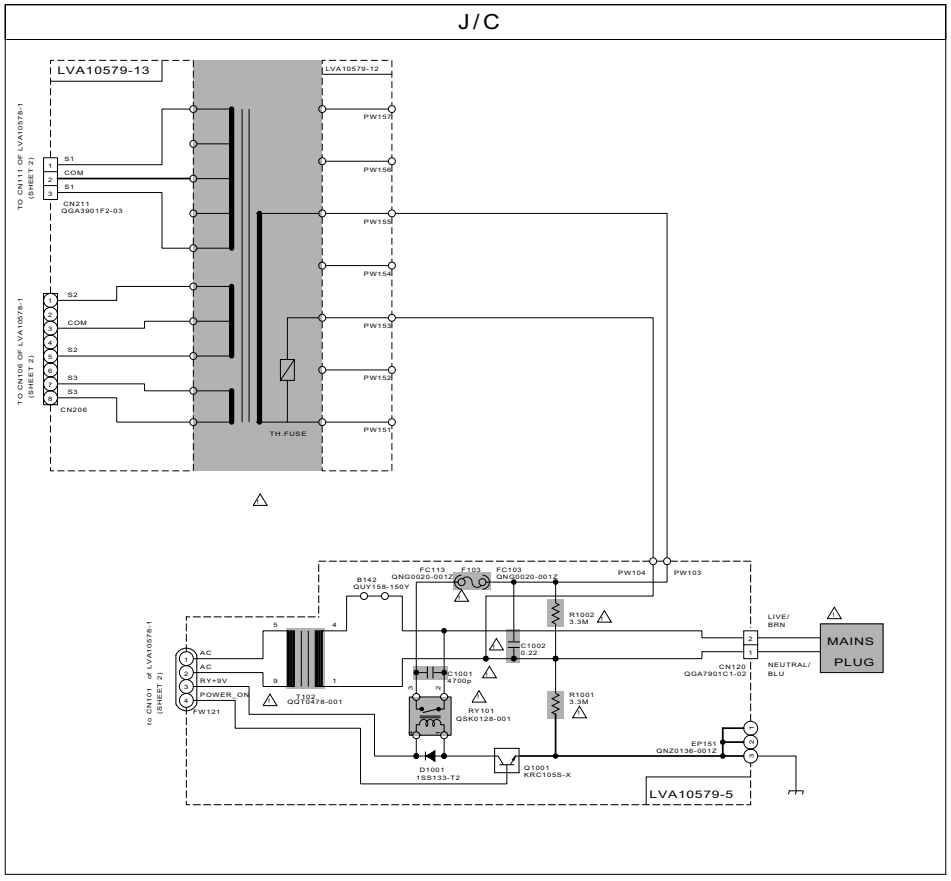
Block diagram

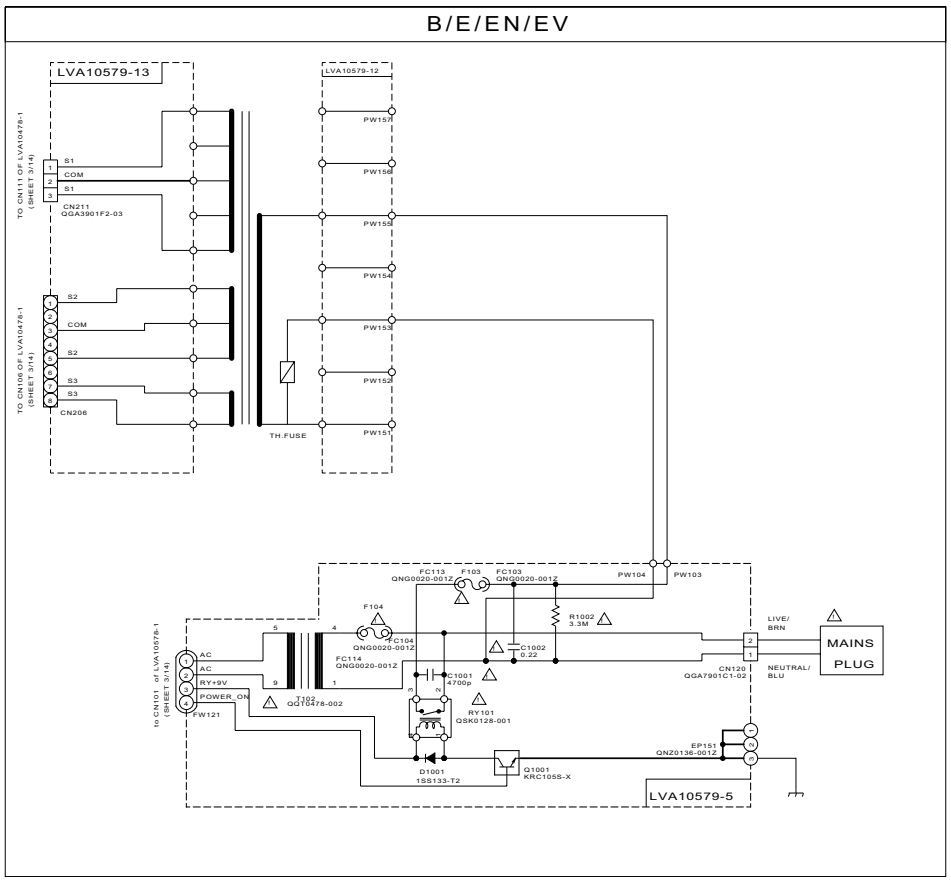



lator, DC-DC converter and digital power amplifier section
AMP_B
AMP_B+12V
PROTECT
Q281 to Q286
PROTECTOR
Lout_HP
Rout_HP
PWM modulator section
FL,FR
A.NFB_FL
D.NFB_FL
A.NFB_FR
D.NFB_FR
IC201
MODULATER
C
A.NFB_C
D.NFB_C
IC801
MODULATER
+/-7V
CN423
CN413
+/-7V
SL,SR
A.NFB_SL
D.NFB_SL
A.NFB_SR
D.NFB_SR
IC301
MODULATER
SBL,SBR
A.NFB_SBL
D.NFB_SBL
A.NFB_SBR
D.NFB_SBR
IC401
MODULATER
CN302
CN301
FW323
CN313
CN402
CN401
CN311
CN312
CN411
CN412
CN321
CN322
CN421
CN422
FRONT_L
FRONT_R
IC251
IC351
AMP
A.NFB_FL,D.NFB_FL
A.NFB_FR,D.NFB_FR
CENTER
IC851
AMP
A.NFB_C
D.NFB_C
SURROUND_L
SURROUND_R
IC261
IC361
AMP
A.NFB_SL,D.NFB_SL
A.NFB_SR,D.NFB_SR
SURRBACK_L
SURRBACK_R
IC451
IC461
AMP
A.NFB_SBL,D.NFB_SBL
A.NFB_SBR,D.NFB_SBR
CN251
CN252
Speaker terminal section
Lout
Rout
Cout
CN265
RY295
RY895
ST295
FRONT
&
CENTER
FRONT_RY
CENTER_RY
CN465
FW451
CN209
FR_RELAY
C_RELAY
SLout
SRout
SBLout
SBRout
SURR_RY
SURRBACK_RY
CN262
RY391
RY491
ST292
SURROUND
&
SURRBACK
M_CLOCK
+/-7V
VCHANGE_1,VCHANGE_2,HP_RY
DRIVER_SD
FREQ_CTRL
PROTECT
D+5V_Mi,D+5V_DSP
B+5V_Mi,POWER_ON
POWER_ON
M_CLOCK
DRIVER_SD
VCHANGE_1
VCHANGE_2
D+5V_DSP
D+5V_Mi
B+5V_Mi
Q101
D+5V_Mi,B+5V_Mi
REG
PWM_V
Vout_DET
Q1101
Q1102
IC101
DCDC
converter
CN152
PWM_V,Vout_DET
M_CLOCK,AC_DET_1
VCHANGE_1
VCHANGE_2
DRIVER_SD
CN151
IC111 to IC113, IC115
DCDC converter
control
+/-7V
Q157,Q158
+/-7V REG
D+5V_Mi
A+5V_Vi
IC153
A+5V_Vi
REG
A+9V_Vi_Tu
IC152
A+9V_Vi_Tu
REG
A+5V_DSP
IC151
A+5V_DSP
REG
Q151,Q152
Q154
Q153
+12V_FAN
REG
+12V_RY
RY300
ON/OFF
LOW
Q171
D+5V_DSP
REG
Q174
DCDC_+12
REG
Q175
DCDC_-B+12
REG
CN114
CN115
CN104
CN105
D1101
to
D1104
AC_DET_1
D101
to
D104
POWER_ON
CN101
CN111
+12V
-B+12V
D109 to D112
S2
VPP
Q102
VPP REG.
S2
S3
CN106
Primary section
CN211
S1
S2
S3
CN206
Power
trans.
FW121
AC
T102
Trans.
POWER_ON
Q1001
RY101
CN120
Main
plug

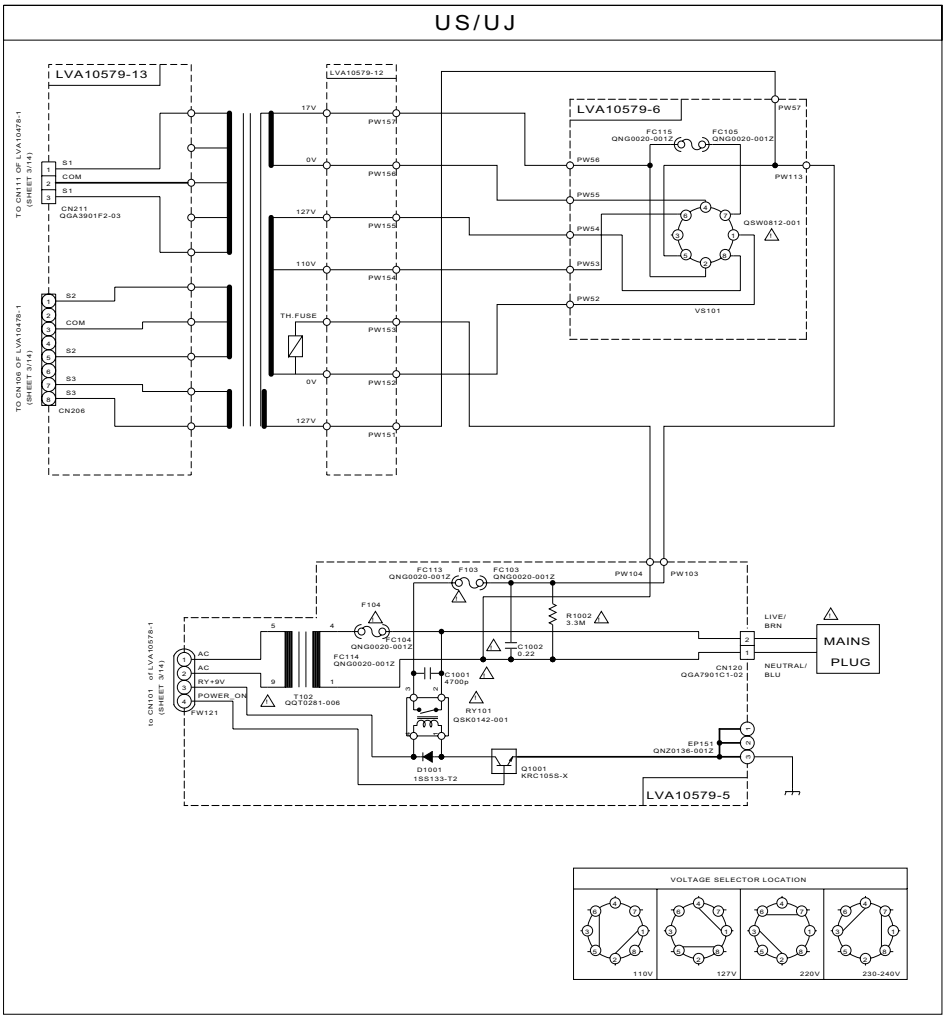
Standard schematic diagrams

■ Primary section





US/UJ



	J/C	B/E/EN/EV	US/UJ	A	UP/UF
F103	QMF51U1-6R3-J8	QMF51W2-2R5-J8	QMF51W2-5R0-J8	QMF51W2-5R0-J8	QMF51W2-5R0-J8
F104	-	QMF5AE2-R10-J1	QMF5AE2-R10-J1	QMF5AE2-R10-J1	QMF5AE2-R10-J1

VOLTAGE MEASUREMENT CONDITION

- POWER ON
- SOURCE FM(NO SIGNAL)
- SURROUND OFF
- VOLUME 0

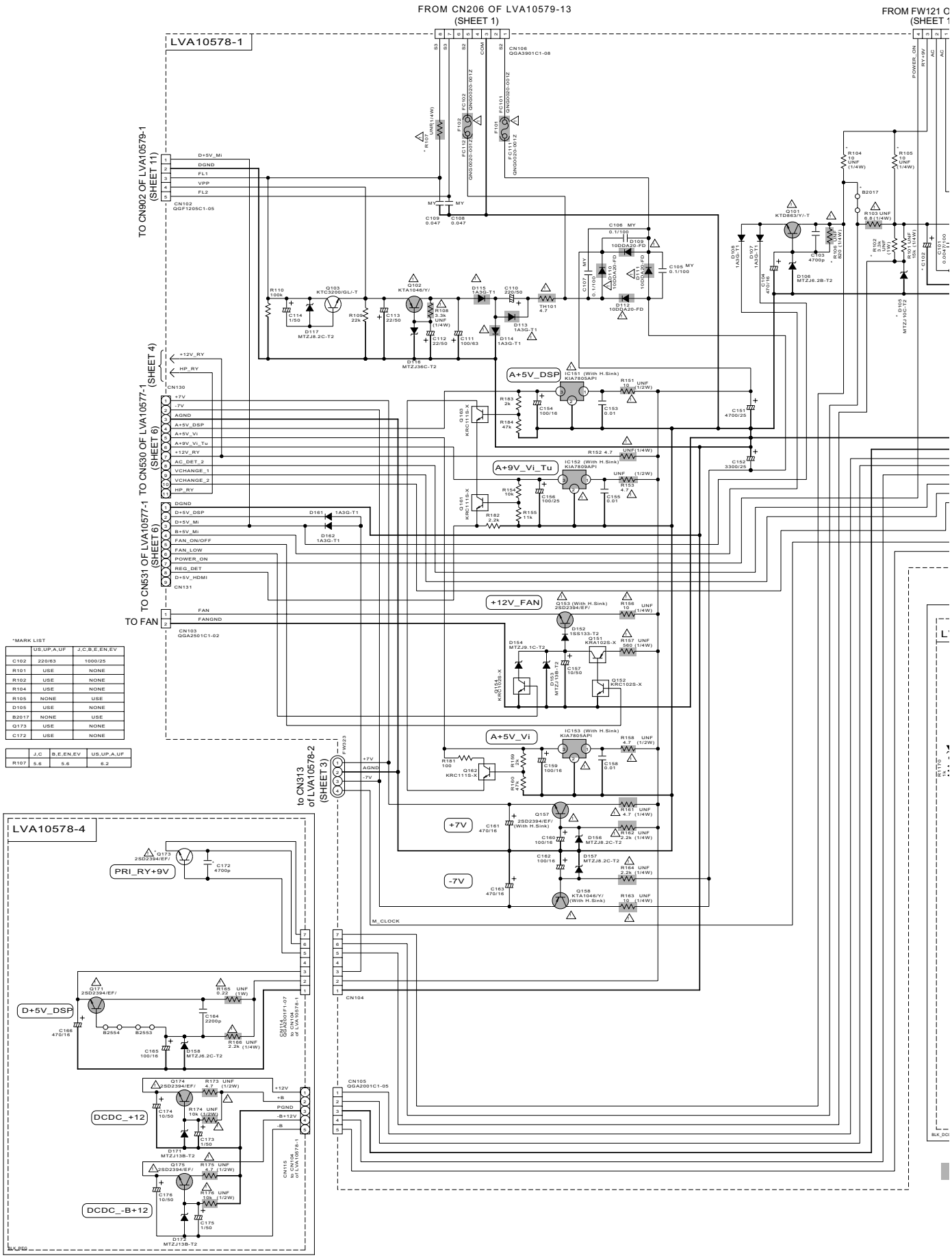
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

VERSION CODES

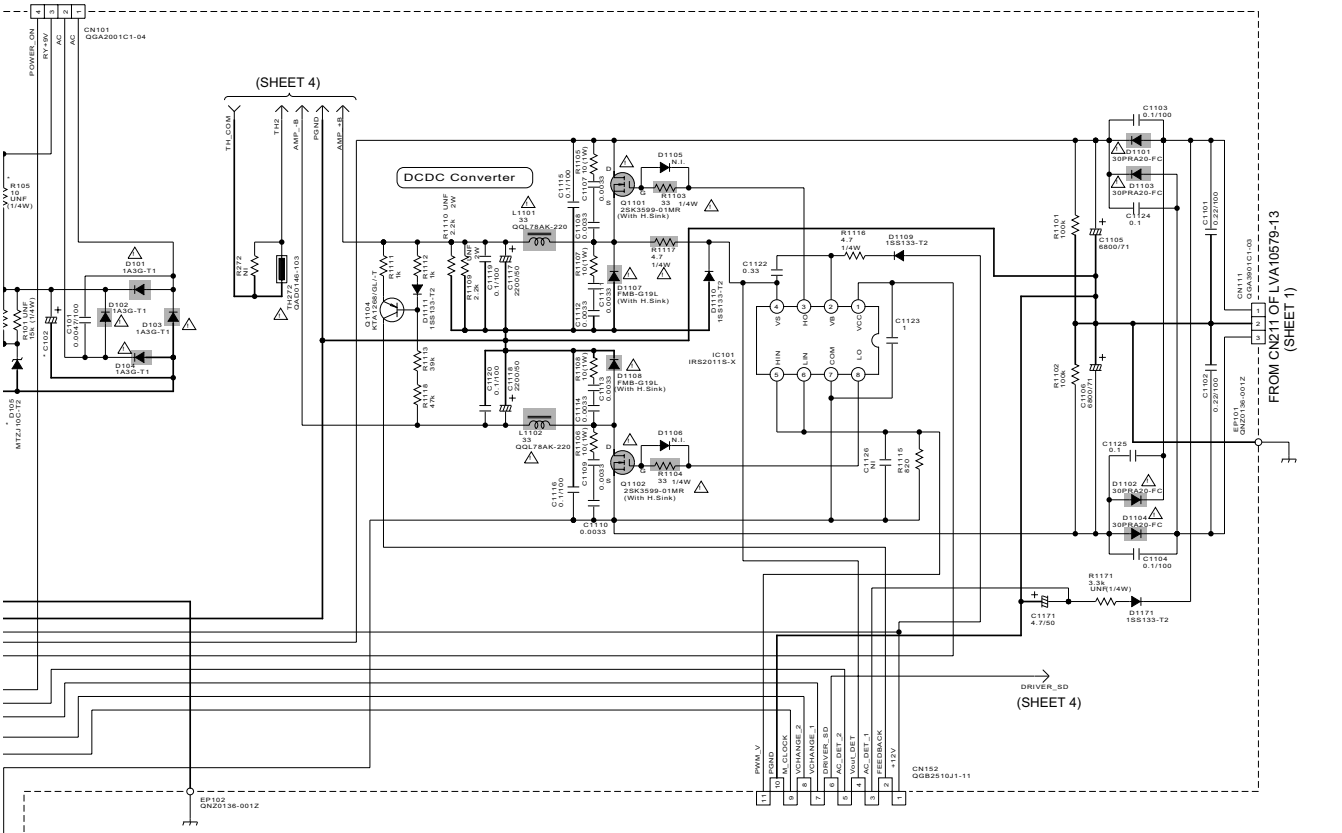
J ;U.S.A.
C ;CANADA
B ;U.K.
E ;CONTINENTAL EUROPE
EN;NORDIC COUNTRIES
EV;EAST EUROPEAN COUNTRIES
US;SINGAPORE
UJ;U.S. ARMY
A ;AUSTRARIA
UP;KOREA
UF;CHINA

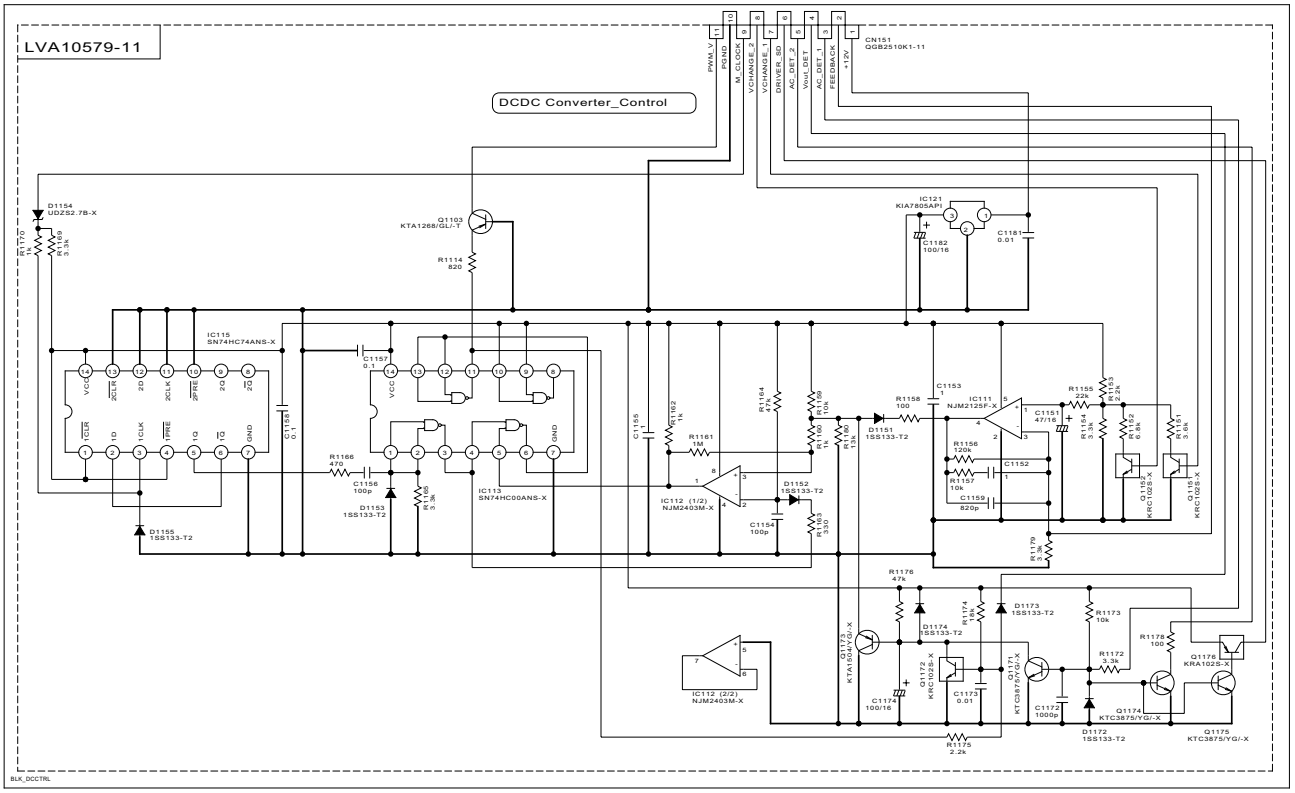
SHEET NUMBER	CIRCUIT DISCRIPTION
1	PRIMARY (J/C,B/E/EN/EV,US/UJ)
2	REGULATOR / DC-DC CONVERTER
3	PWM MODULATOR / MASTER CLOCK
4	DIGITAL POWER AMP / SPKEAKER TERMINAL
5	USB WIRELESS MODULE CONNECTION / SPEAKER TERMINAL
6	AUDIO,VIDEO SIGNAL INPUT / SYSTEM CONTROL (J/C,US/UJ/A/UP/UF)
7	AUDIO,VIDEO SIGNAL INPUT (J/C,US/UJ/A/UP/UF)
8	Y/C SEPARATE (J/C,US/UJ/A/UP/UF)
9	VOLUME
10	DSP / DIGITAL SIGNAL INPUT TERMINAL
11	USER CONTROL KEYS / SYSTEM CONTROL / FL DISPLAY

■ Regulator and DC-DC converter section



OM FW121 OF LVA10579-5
(SHEET 1)

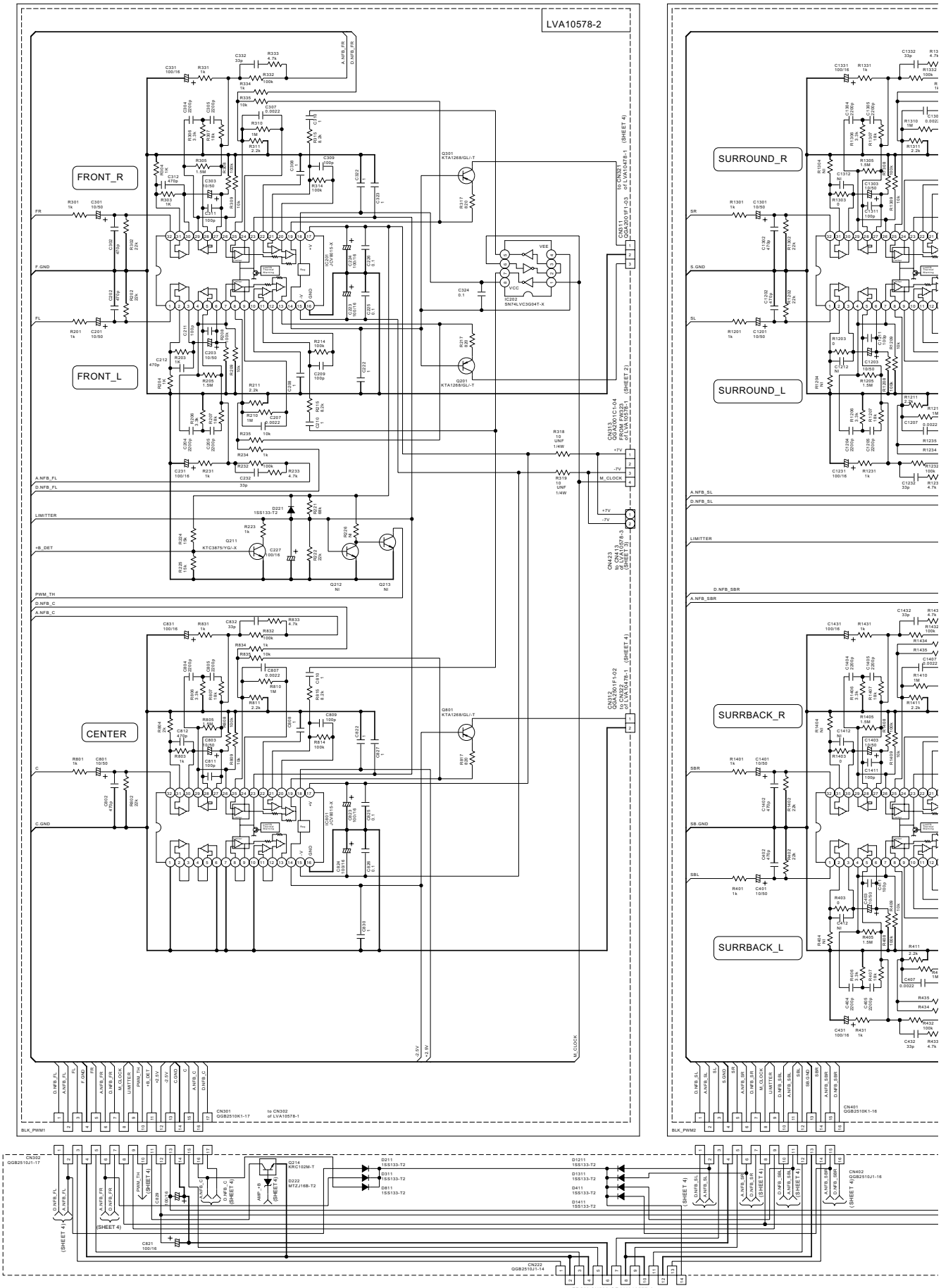


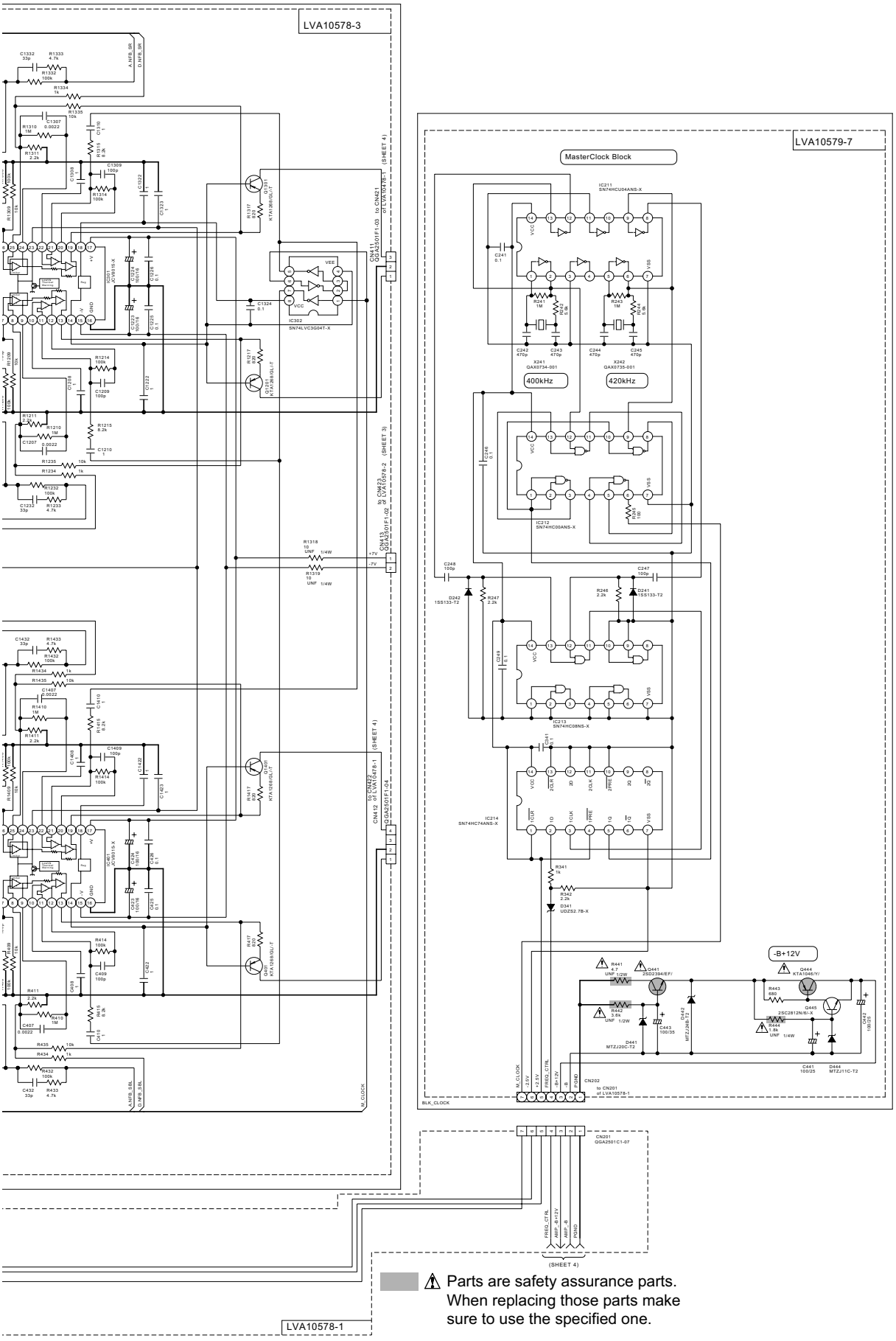


⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

SHEET 2

■ PWM modulator and master clock section

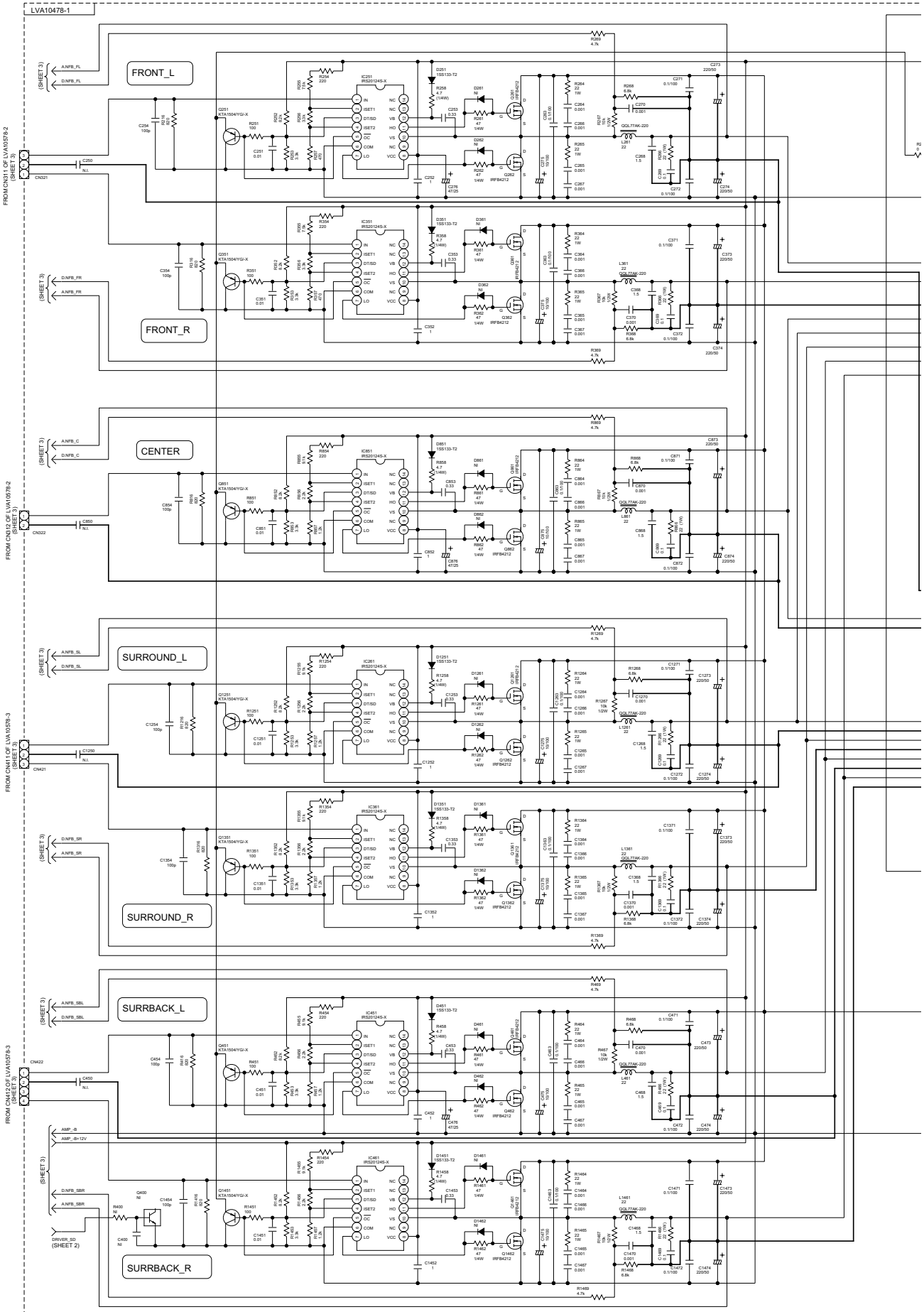


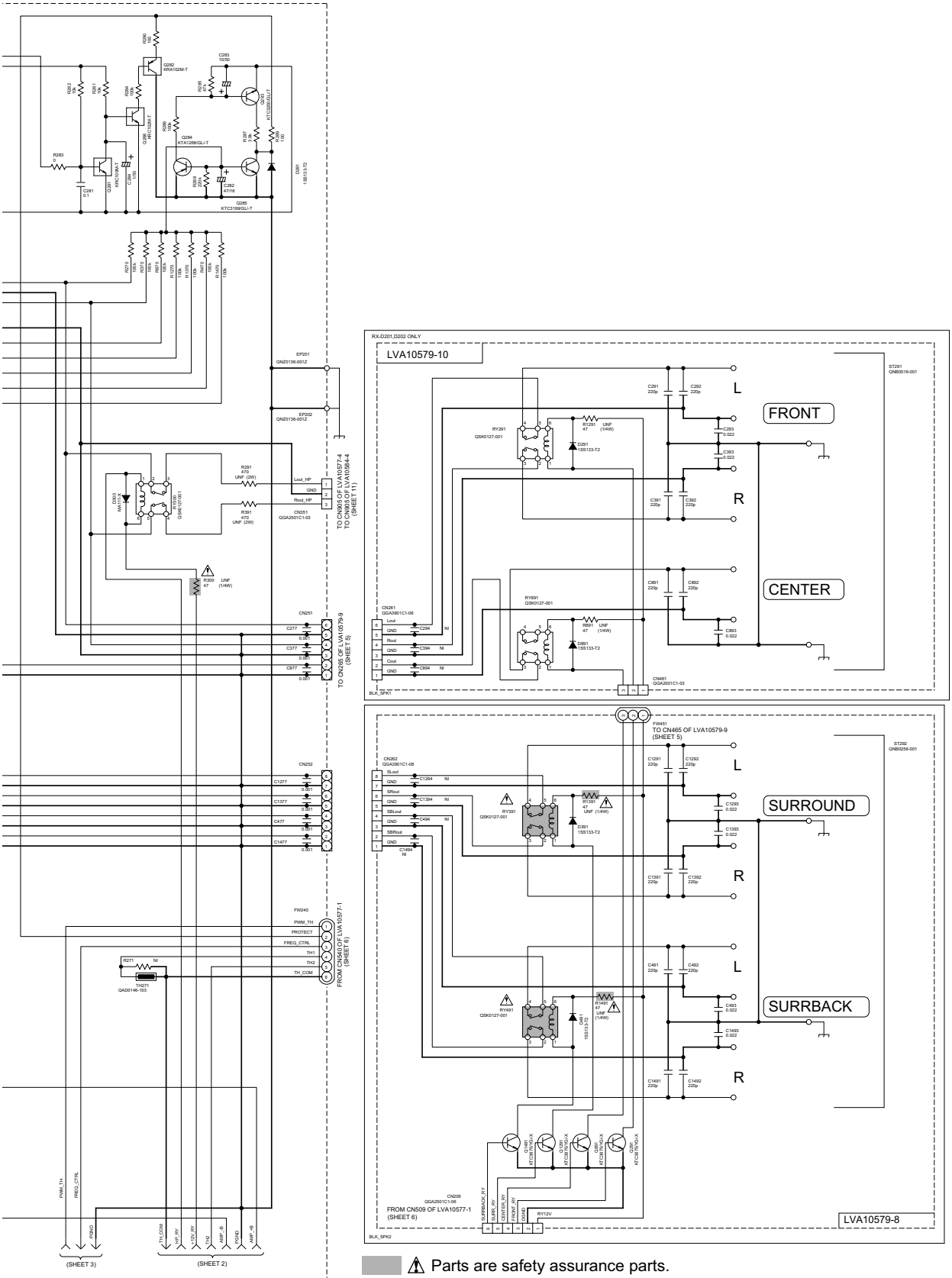


⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

SHEET 3

■ Digital power amplifier and speaker terminal section

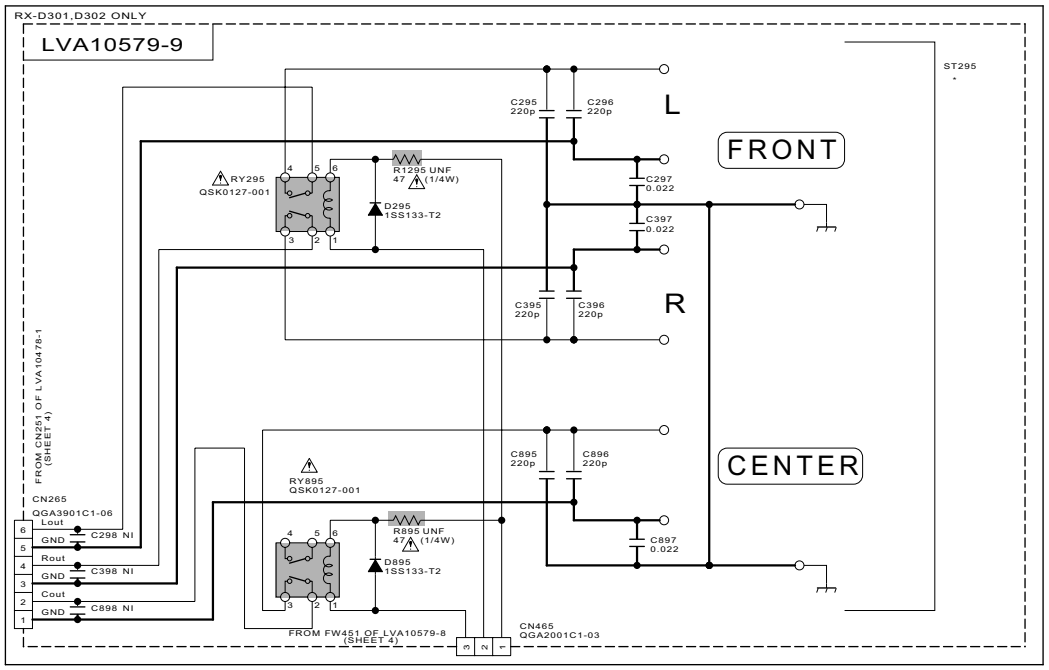




⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

SHEET 4

■ USB wireless module connection and speaker terminal section

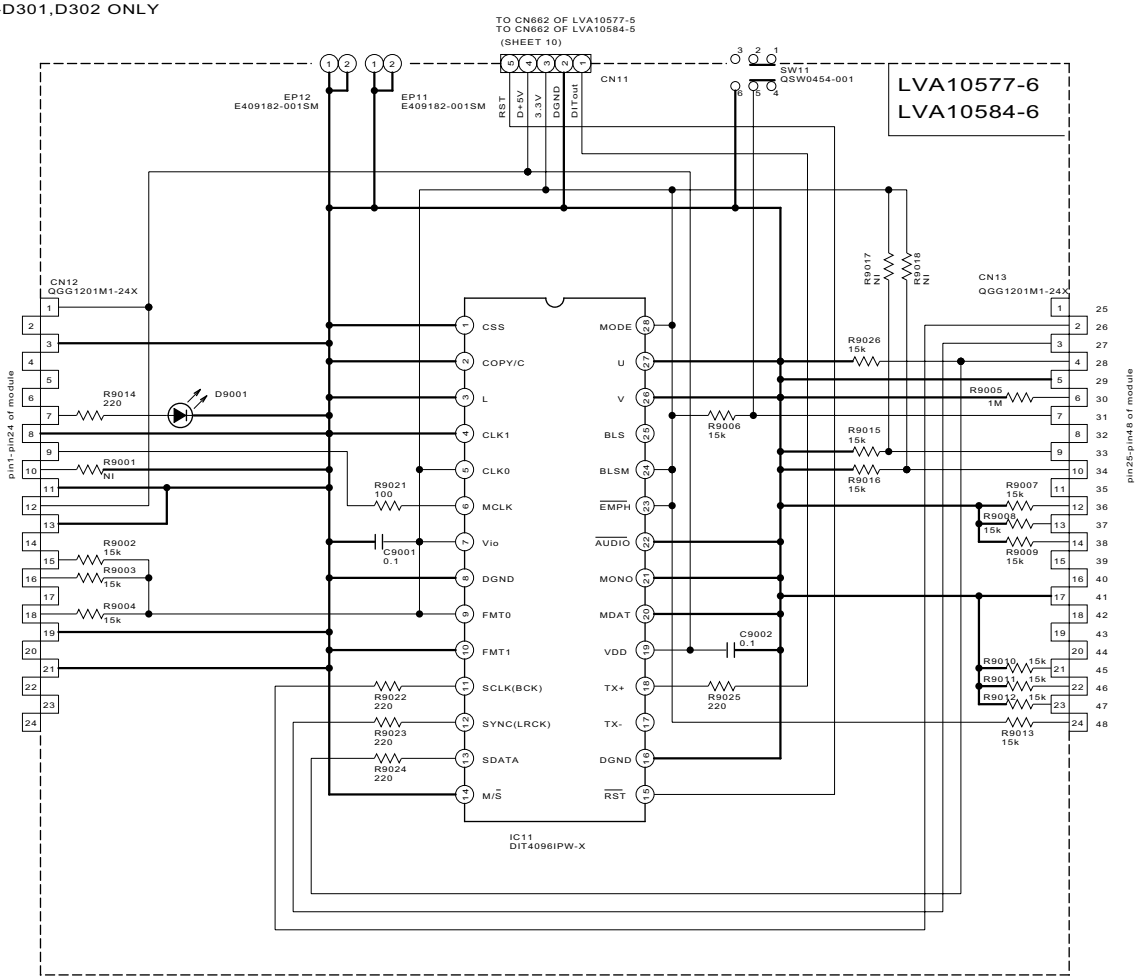


*MARK LIST

	J,C	B,E,EN,EV, US,UP,A,UF,UJ
ST295	QNB0078-001	QNB0079-001

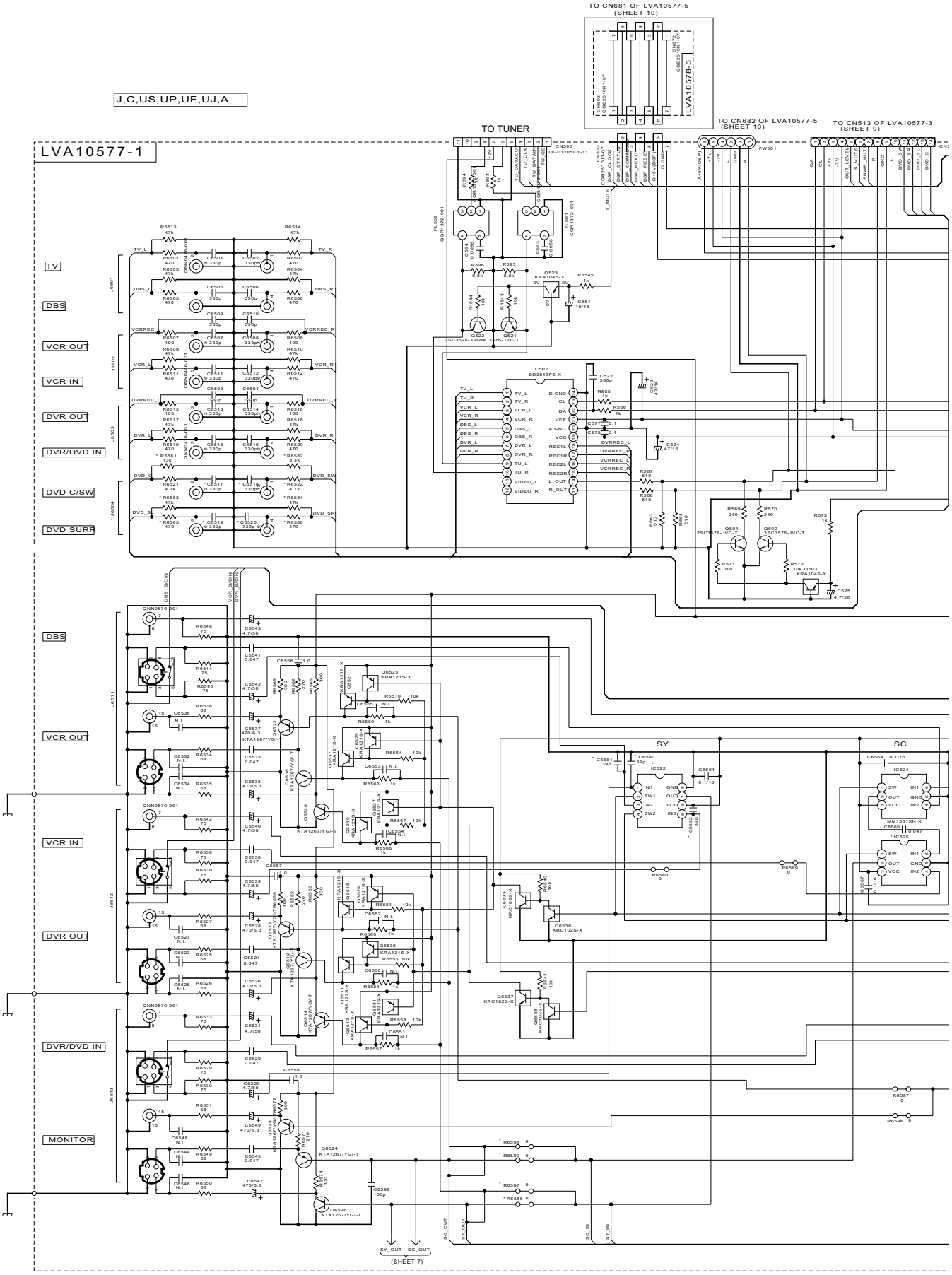
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

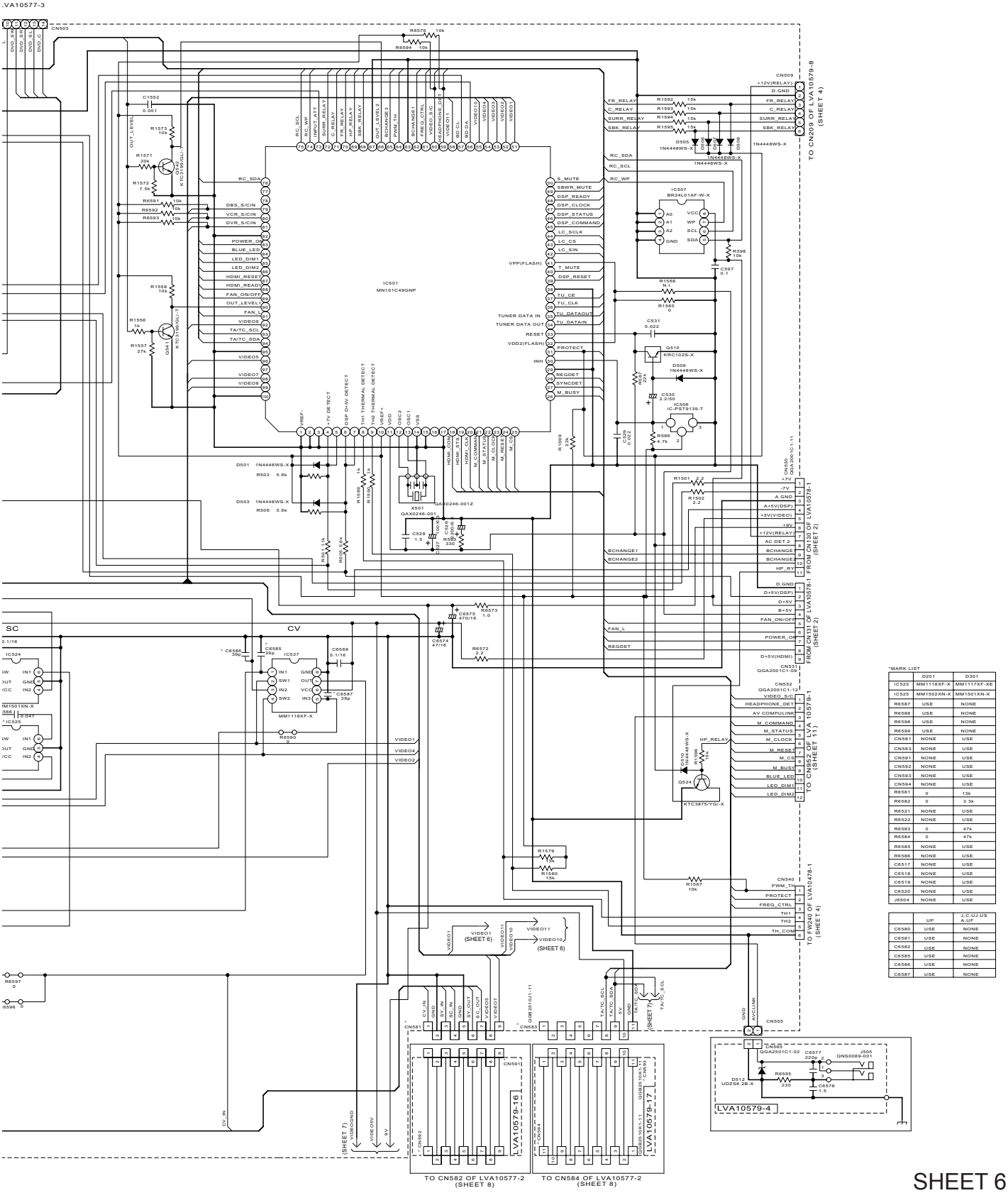
RX-D301,D302 ONLY



SHEET 5

■ Audio / Video signal input and system control section





*MARK LIST

	D201	D301
IC522	MM1118XF-X	MM1117XF-XE
IC525	MM1502XN-X	MM1501XN-X
R6587	USE	NONE
R6588	USE	NONE
R6598	USE	NONE
R6599	USE	NONE
CN581	NONE	USE
CN583	NONE	USE
CN591	NONE	USE
CN592	NONE	USE
CN593	NONE	USE
CN594	NONE	USE
R6581	0	13k
R6582	0	3.3k
R6521	NONE	USE
R6522	NONE	USE
R6583	0	47k
R6584	0	47k
R6585	NONE	USE
R6586	NONE	USE
C6517	NONE	USE
C6518	NONE	USE
C6519	NONE	USE
C6520	NONE	USE
J6504	NONE	USE

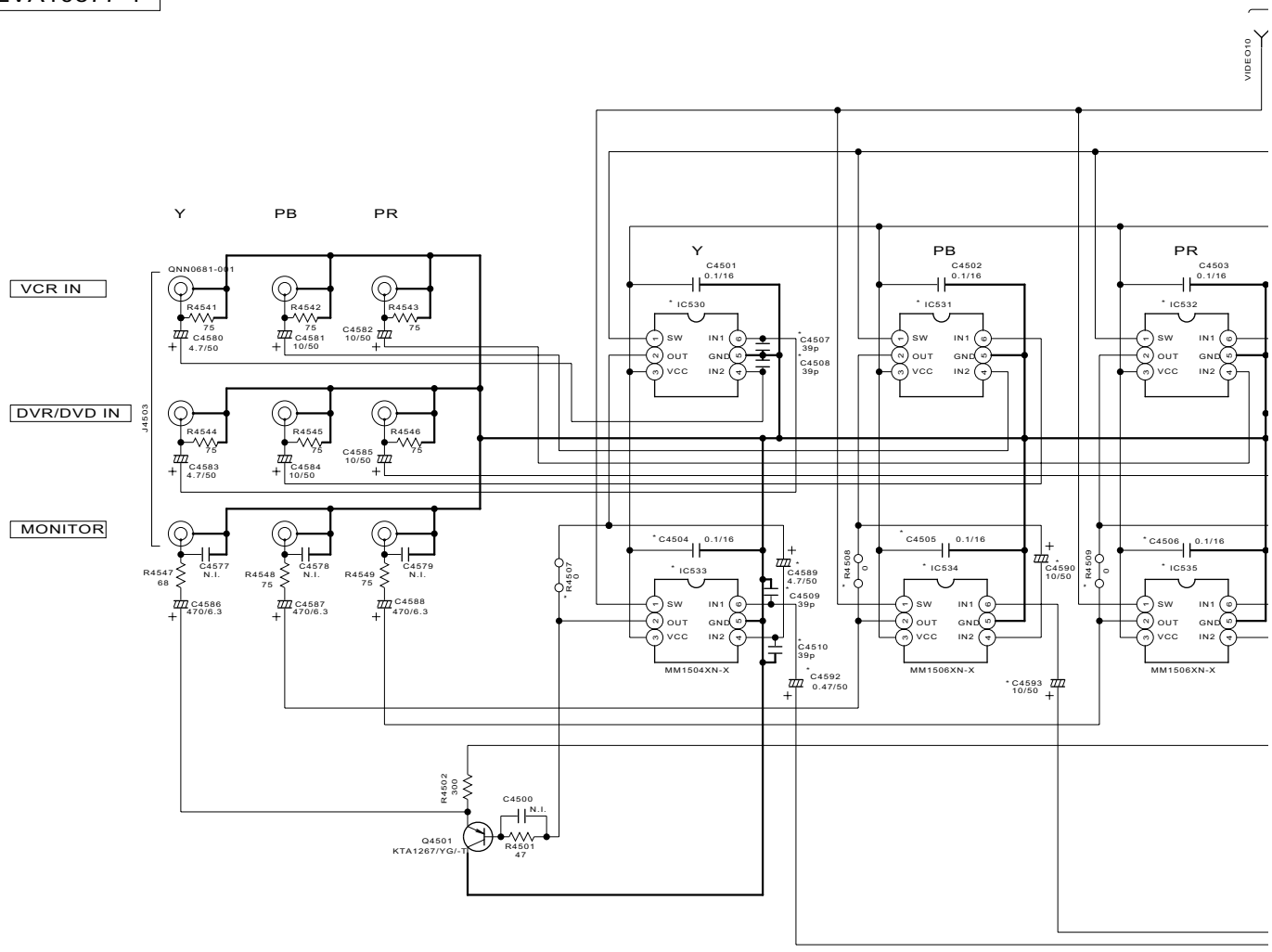
	UP	J,C,UJ,US A,UF
C6580	USE	NONE
C6581	USE	NONE
C6582	USE	NONE
C6585	USE	NONE
C6586	USE	NONE
C6587	USE	NONE

SHEET 6

■ Audio / Video signal input section

J,C,US,UP,UF,UJ,A

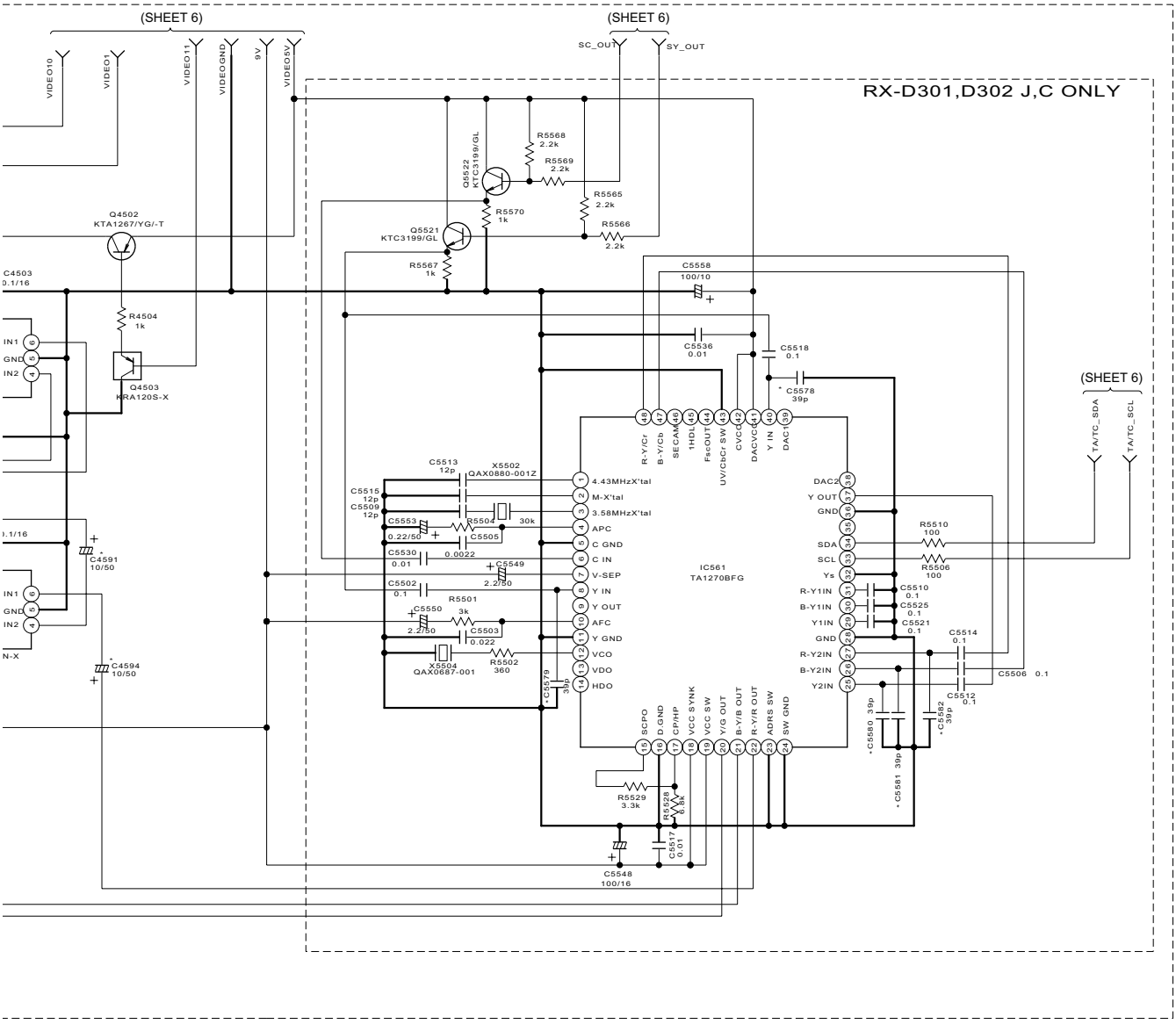
LVA10577-1



*MARK LIST

	D201,D202	D301,D302 J,C	D301,D302 US,A,UF,UJ
IC530	MM1504XN-X	MM1503XN-X	MM1504XN-X
IC531	MM1506XN-X	MM1501XN-X	MM1506XN-X
IC532	MM1506XN-X	MM1501XN-X	MM1506XN-X
IC533	NONE	USE	NONE
IC534	NONE	USE	NONE
IC535	NONE	USE	NONE
C4504	NONE	USE	NONE
C4505	NONE	USE	NONE
C4506	NONE	USE	NONE
C4589	NONE	USE	NONE
C4590	NONE	USE	NONE
C4591	NONE	USE	NONE
C4592	NONE	USE	NONE
C4593	NONE	USE	NONE
C4594	NONE	USE	NONE
R4507	USE	NONE	USE
R4508	USE	NONE	USE
R4509	USE	NONE	USE

	UP
C4507	USE
C4508	USE
C4509	USE
C4510	USE
C5578	USE
C5579	USE
C5580	USE
C5581	USE
C5582	USE



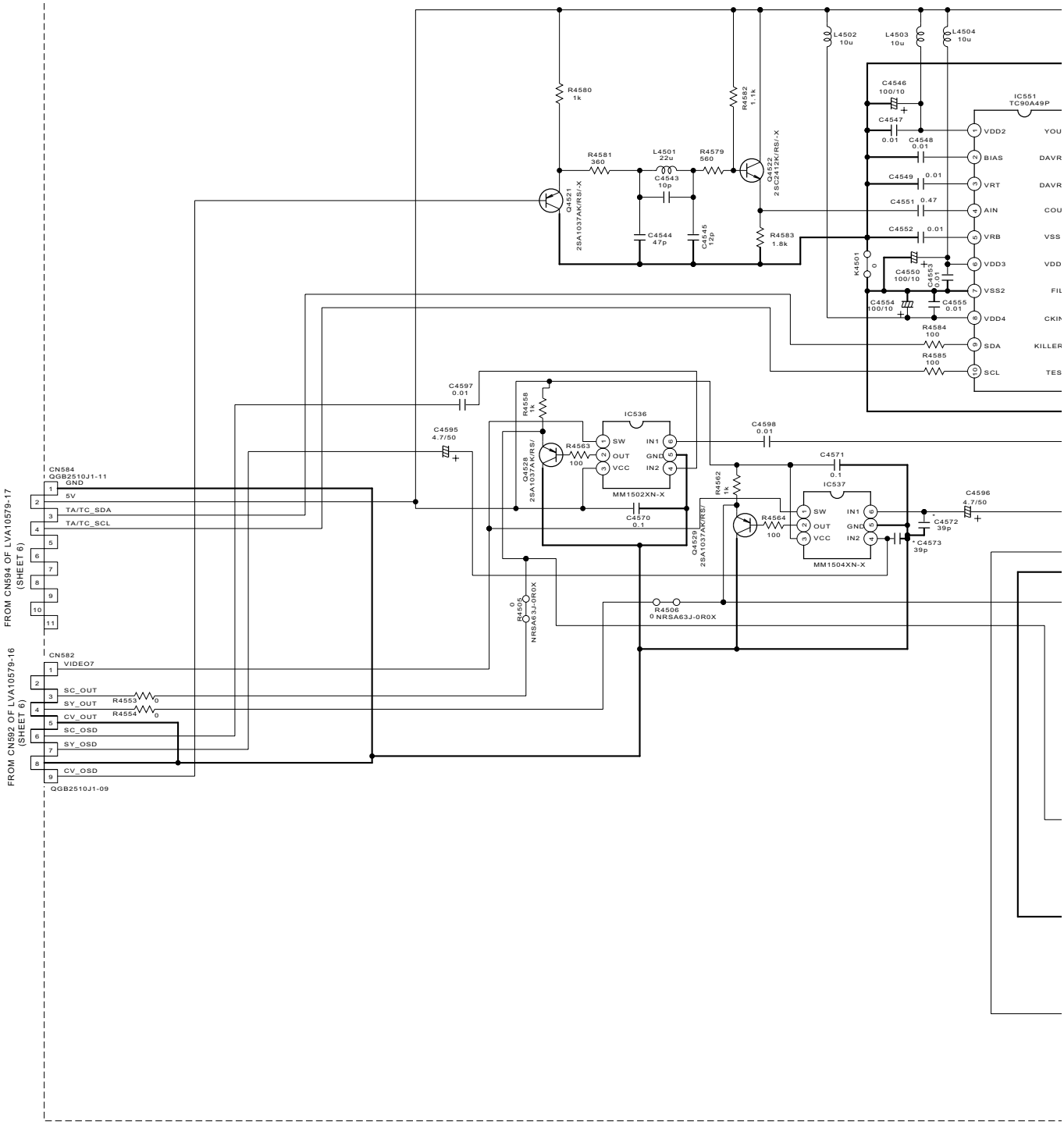
UP	J,C,UJ,US A,UF
USE	NONE
USE	NONE
USE	NONE
USE	NONE
USE	NONE
USE	NONE
USE	NONE
USE	NONE
USE	NONE

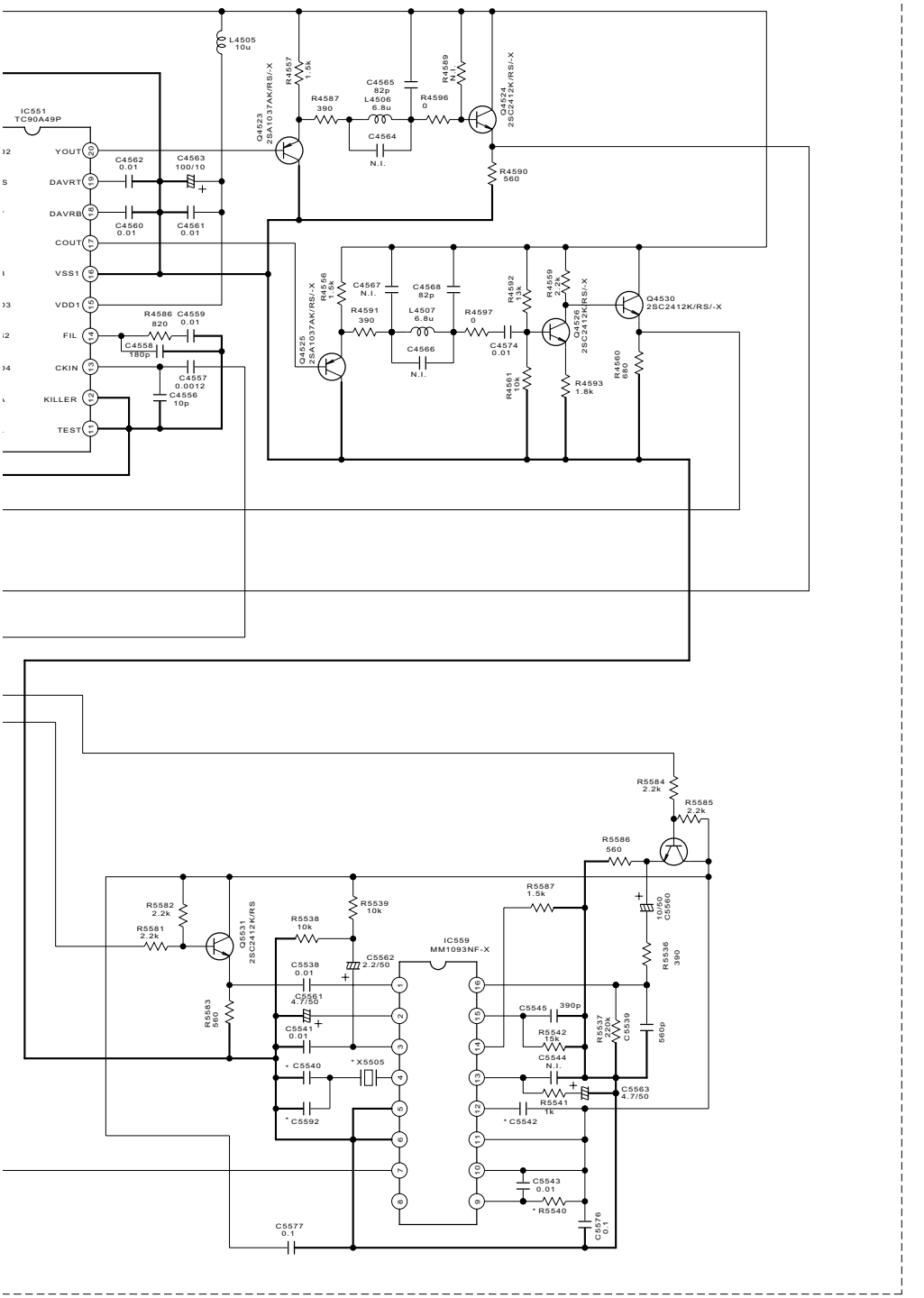
SHEET 7

■ Y/C separate section

J,C,US,UP,UF,UJ,A

LVA10577-2





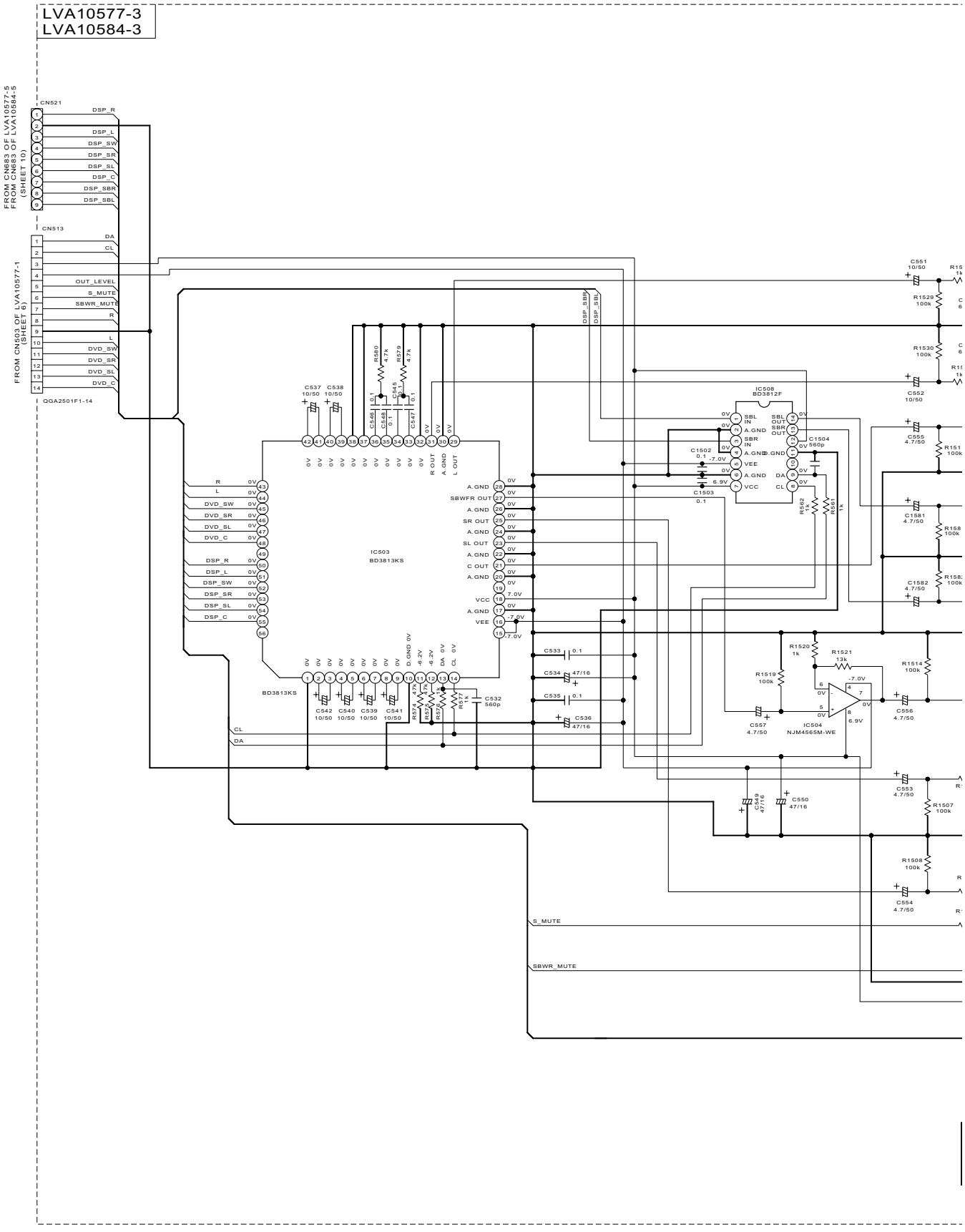
*MARK LIST

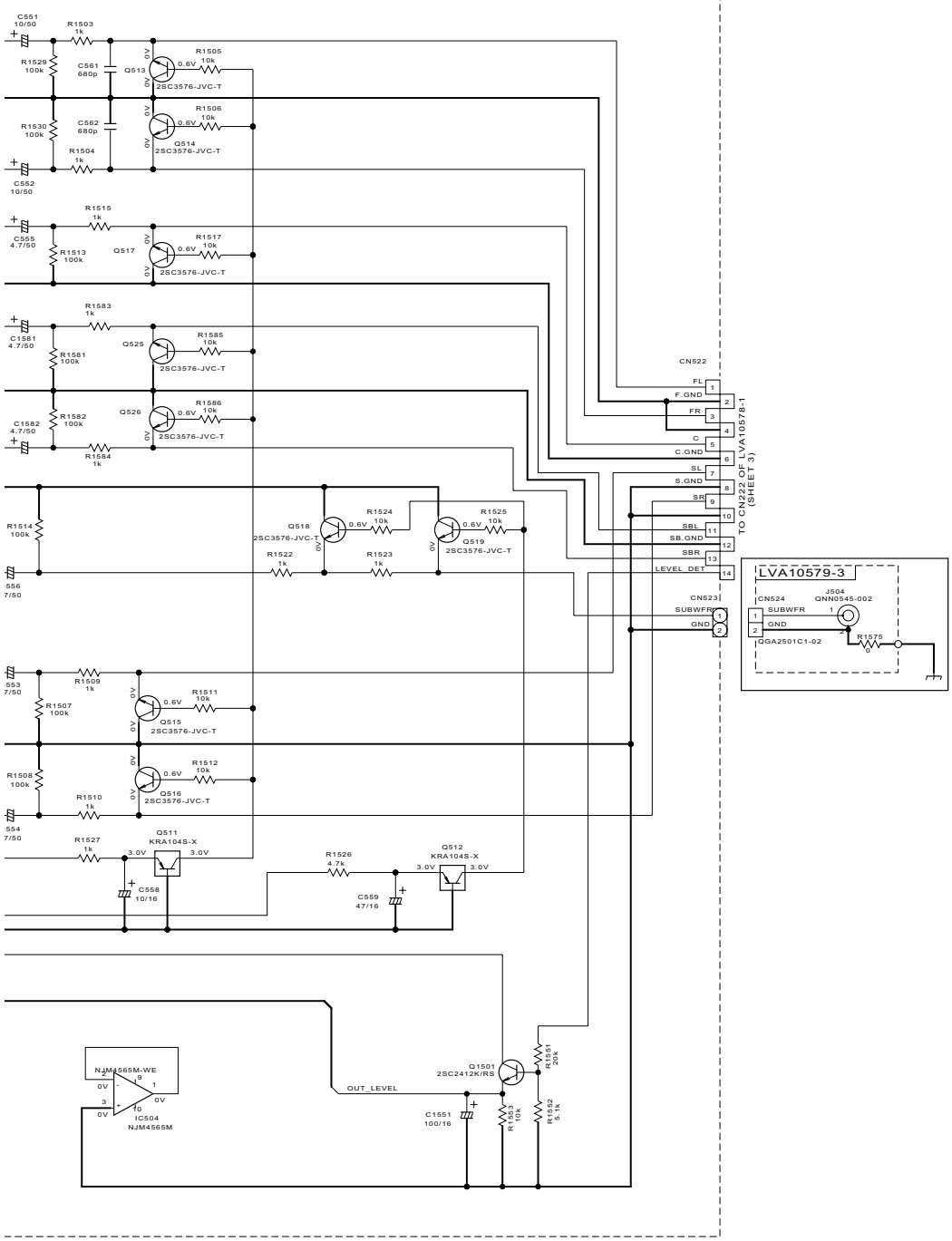
	J,C,UJ,UP	A,UF,US
C5542	7p	6p
R5540	6.2k	4.3k
C5540	8p	12p
C5592	5p	NONE
X5505	QAX0880-001Z	QAX0879-001Z

	J,C,UJ,UP,A,UF	UP
C4572	NONE	USE
C4573	NONE	USE

SHEET 8

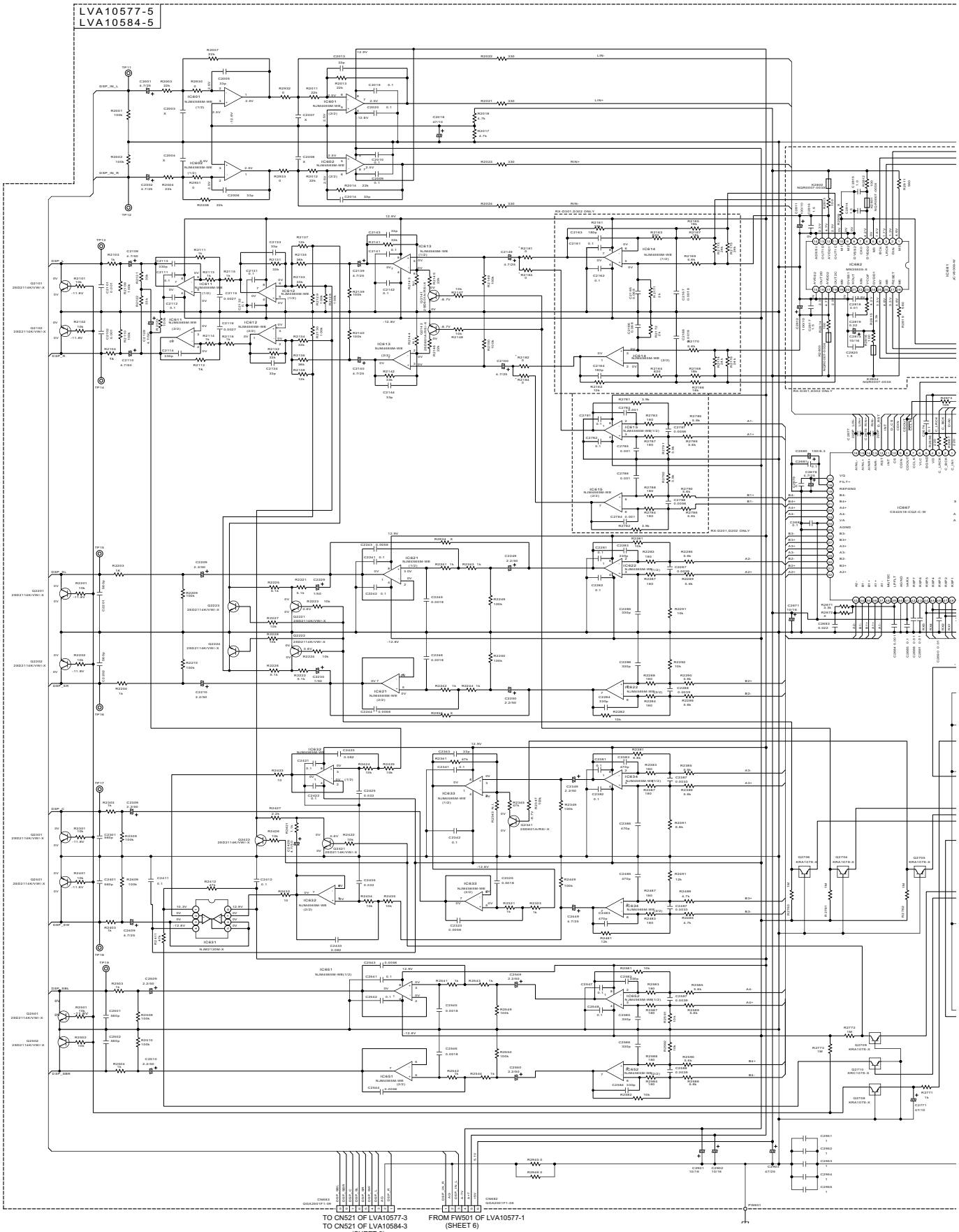
■ Volume section

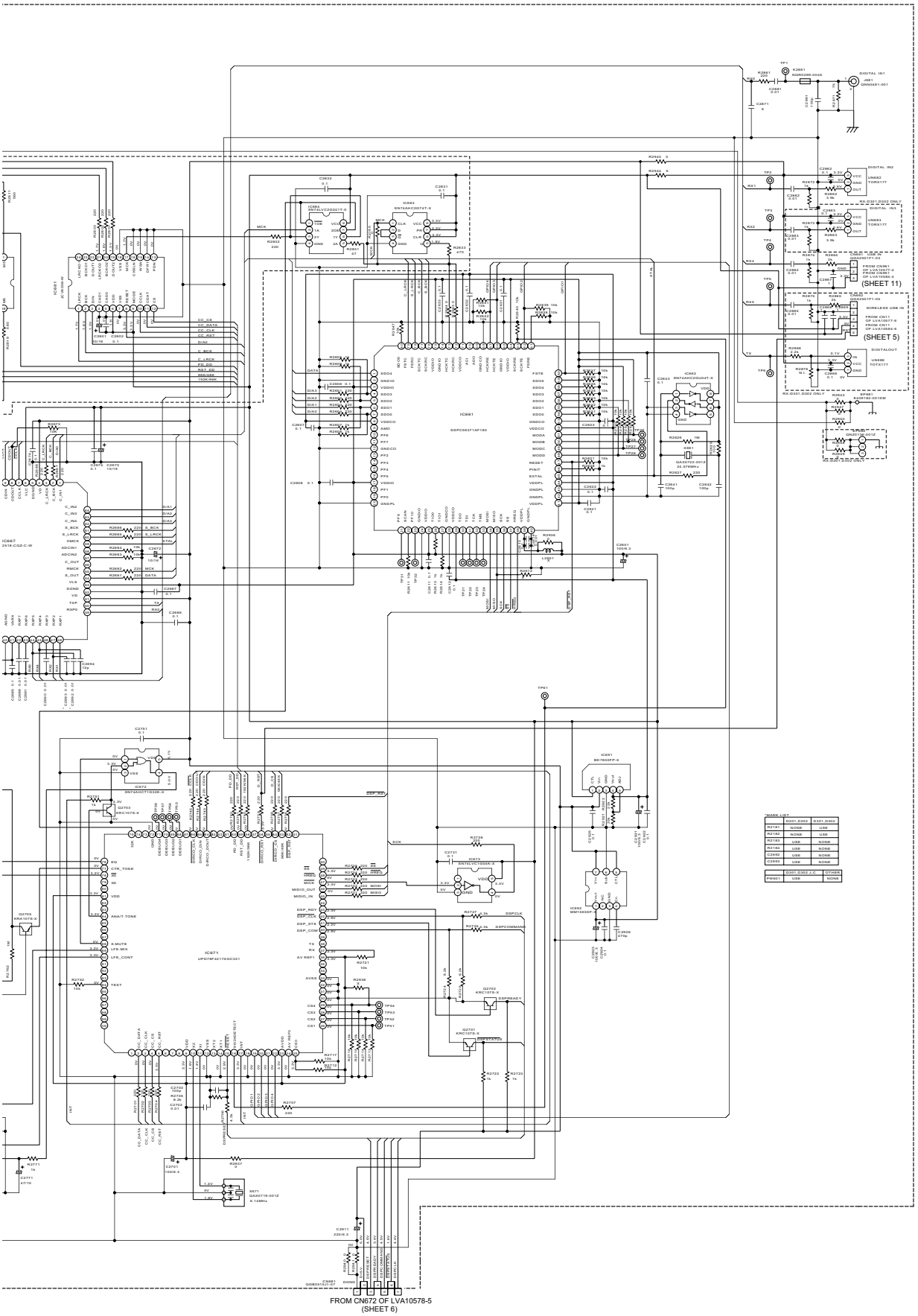



C551 10/50
R1503 1k
R1529 100k
C561 680p
Q513 2SC3576-JVC-T
R1505 10k
R1506 10k
R1530 100k
C562 680p
Q514 2SC3576-JVC-T
R1504 1k
C552 10/50
R1515 1k
C555 4.7/50
R1513 100k
Q517 2SC3576-JVC-T
R1517 10k
R1583 1k
C1581 4.7/50
R1581 100k
Q525 2SC3576-JVC-T
R1585 10k
C1582 4.7/50
R1582 100k
Q526 2SC3576-JVC-T
R1586 10k
R1584 1k
R1514 100k
Q518 2SC3576-JVC-T
R1524 10k
Q519 2SC3576-JVC-T
R1525 10k
R1522 1k
R1523 1k
R1507 100k
R1509 1k
Q515 2SC3576-JVC-T
R1511 10k
R1508 100k
Q516 2SC3576-JVC-T
R1512 10k
R1510 1k
R1527 1k
Q511 KRA104S-X
R1526 4.7k
Q512 KRA104S-X
C558 10/16
C559 47/16
NJM4565M-WE
IC504 NJM4565M
OUT_LEVEL
Q1501 2SC2412K/RS
R1551 20k
C1551 100/16
R1553 10k
R1552 5.1k
CN522
FL
F.GND
FR
C
C.GND
SL
S.GND
SR
SBL
SB.GND
SBR
LEVEL_DET
TO CN222 OF LVA10578-1 (SHEET 3)
CN523
SUBWFR
GND
LVA10579-3
CN524
J504 QNN0545-002
R1575 0

SHEET 9

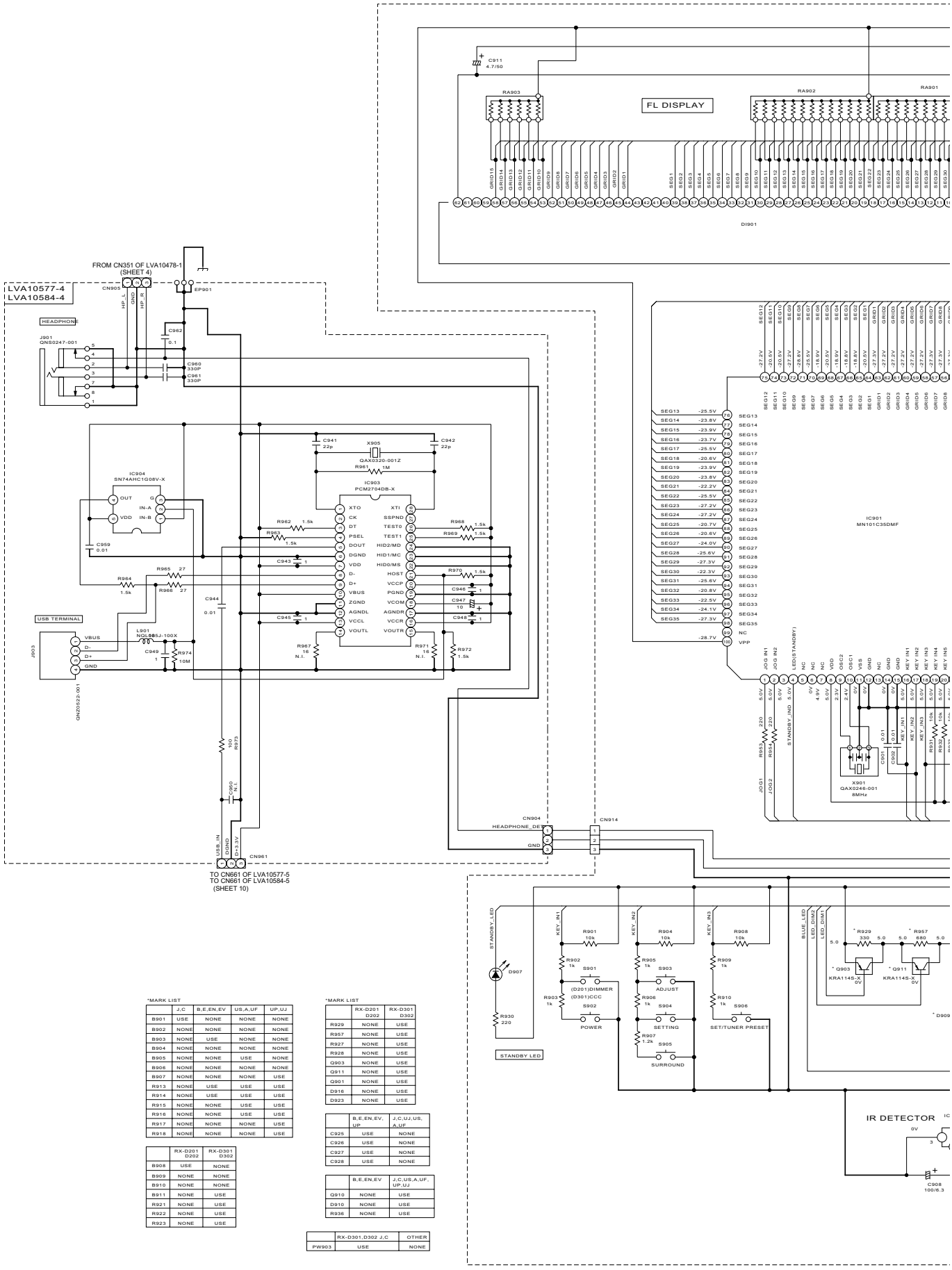
■ DSP and digital signal input terminal section




DIGITAL IN1
DIGITAL IN2
DIGITAL IN3
DIGITALOUT
(SHEET 11)
(SHEET 5)
WIRELESS USB IN
FROM CN661
FROM CN11 OF LVA10627-4
FROM CN17 OF LVA10586-6
FROM CN672 OF LVA10578-5
(SHEET 6)
IC681
DSPC5637AF180
IC682
IC683
IC684
IC685
IC686
IC687
IC688
IC689
IC690
IC691
IC692
IC693
IC671
UPD78F4217AGC331
IC672
IC673
IC674
IC675
IC676
IC677
IC678
IC679
IC680
IC681
IC682
IC683
IC684
IC685
IC686
IC687
IC688
IC689
IC690
IC691
IC692
IC693
MARK LIST
D201,D202
D301,D302
R2161
R2162
R2163
R2164
C2652
C2653
P2921
NONE
USB
OTHERS

SHEET 10

■ User control keys, system control and FL display section



*MARK LIST

	J,C	B,E,EN,EV	US,A,UF	UP,UJ
B901	USE	NONE	NONE	NONE
B902	NONE	NONE	NONE	NONE
B903	NONE	USE	NONE	NONE
B904	NONE	NONE	NONE	NONE
B905	NONE	NONE	USE	NONE
B906	NONE	NONE	NONE	NONE
B907	NONE	NONE	NONE	USE
R913	NONE	USE	USE	USE
R914	NONE	USE	USE	USE
R915	NONE	NONE	USE	USE
R916	NONE	NONE	USE	USE
R917	NONE	NONE	NONE	USE
R918	NONE	NONE	NONE	USE

	RX-D201 D202	RX-D301 D302
B908	USE	NONE
B909	NONE	NONE
B910	NONE	NONE
B911	NONE	USE
R921	NONE	USE
R922	NONE	USE
R923	NONE	USE

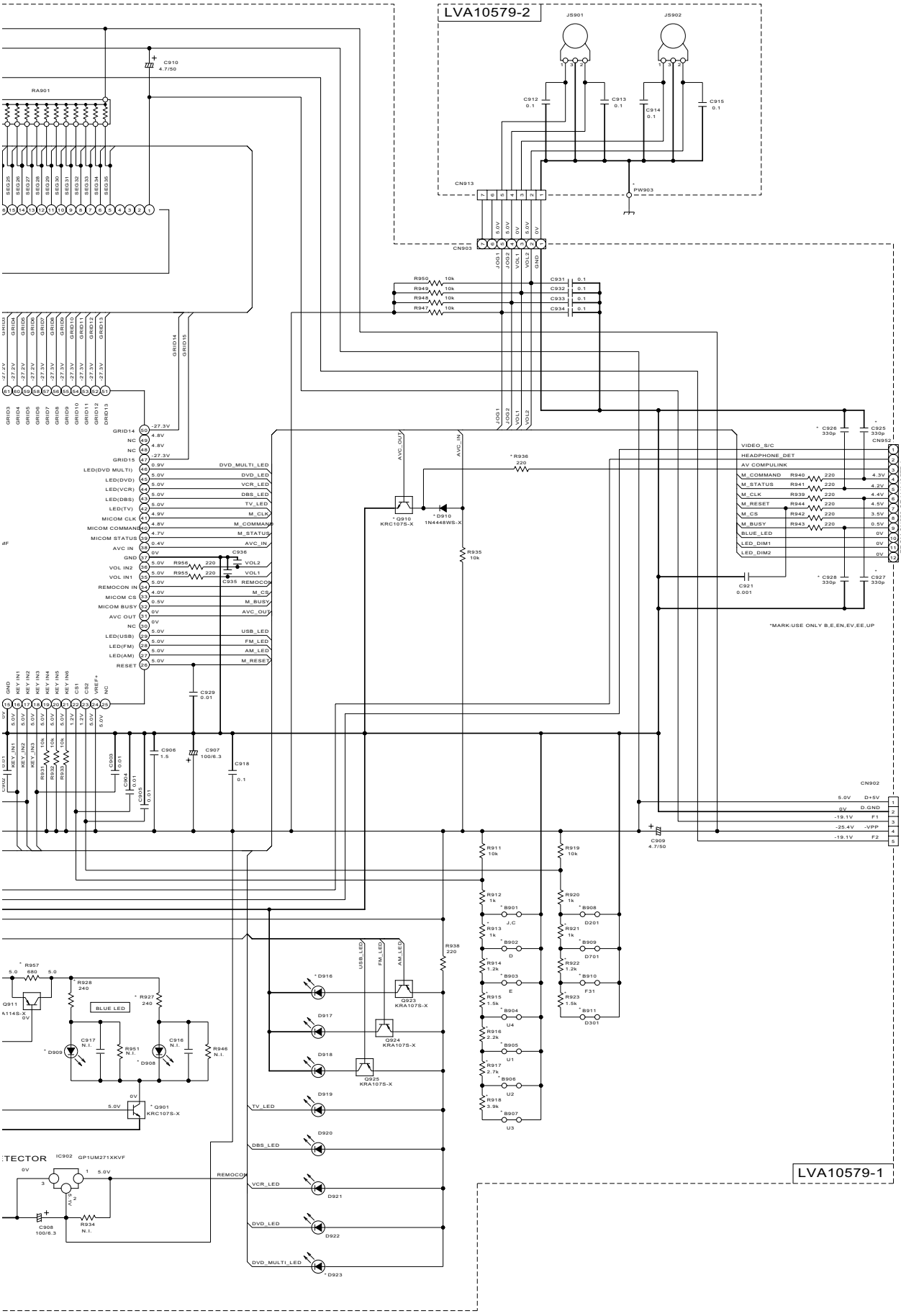
*MARK LIST

	RX-D201 D202	RX-D301 D302
R929	NONE	USE
R957	NONE	USE
R927	NONE	USE
R928	NONE	USE
Q903	NONE	USE
Q911	NONE	USE
Q901	NONE	USE
D916	NONE	USE
D923	NONE	USE

	B,E,EN,EV, UP	J,C,UJ,US, A,UF
C925	USE	NONE
C926	USE	NONE
C927	USE	NONE
C928	USE	NONE

	B,E,EN,EV	J,C,US,A,UF, UP,UJ
Q910	NONE	USE
D910	NONE	USE
R936	NONE	USE

	RX-D301,D302 J,C	OTHER
PW903	USE	NONE

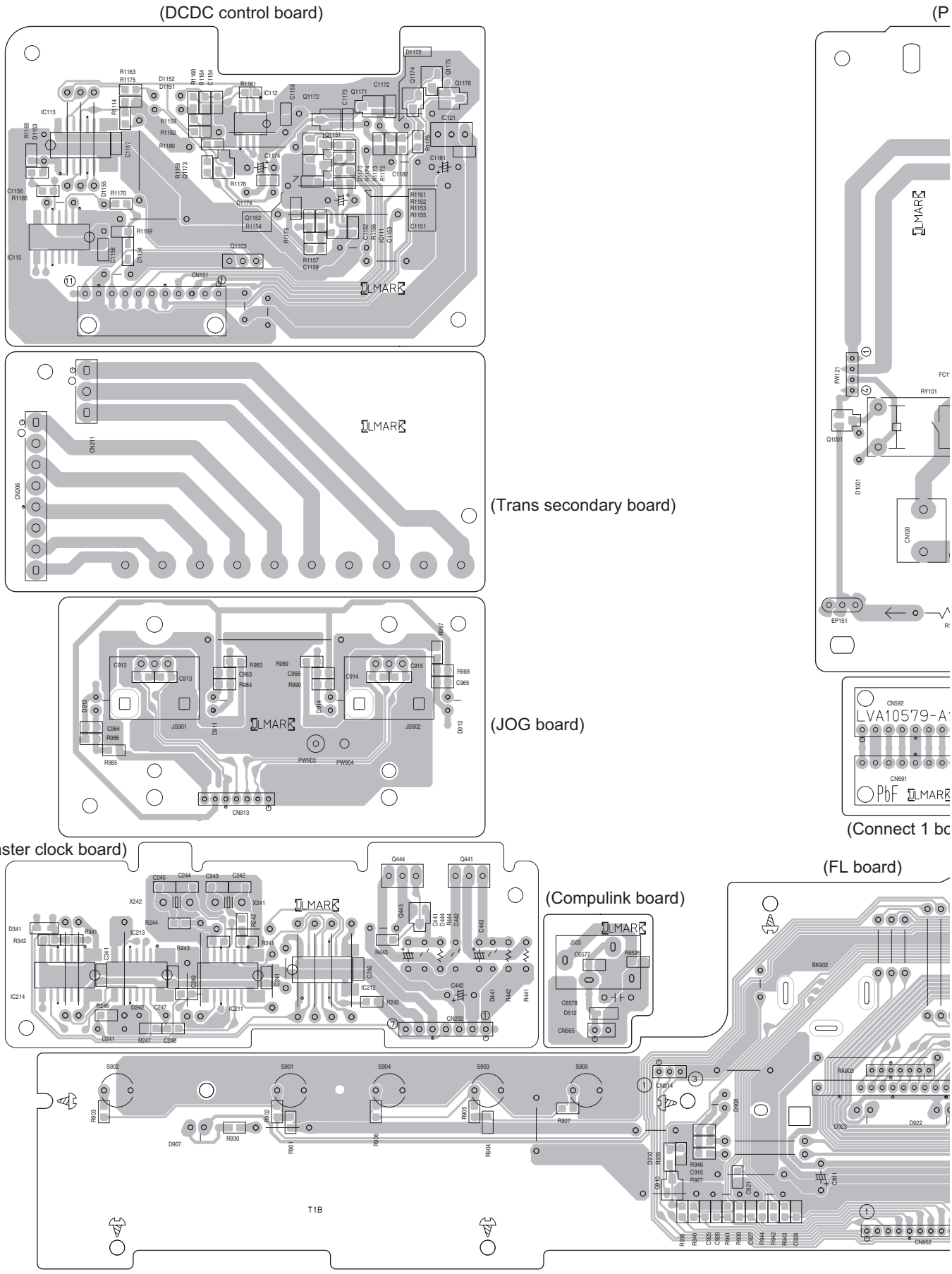

LVA10579-2
JS901
JS902
C912 0.1
C913 0.1
C914 0.1
C915 0.1
CN913
PW903
CN903
JOG1
JOG2
VOL1
VOL2
GND
R950 10k
R949 10k
R948 10k
R947 10k
C931 0.1
C932 0.1
C933 0.1
C934 0.1
C910 4.7/50
RA901
SEG25
SEG26
SEG27
SEG28
SEG29
SEG30
SEG31
SEG32
SEG33
SEG34
SEG35
GRID3
GRID4
GRID5
GRID6
GRID7
GRID8
GRID9
GRID10
GRID11
GRID12
GRID13
GRID14
GRID15
-27.3V
DVD_MULTI_LED
DVD_LED
VCR_LED
DBS_LED
TV_LED
M_CLK
M_COMMAND
M_STATUS
AVC_IN
AVC_OUT
USB_LED
FM_LED
AM_LED
M_RESET
REMOCON
VOL1
VOL2
M_CS
M_BUSY
C936
C935
R956 220
R955 220
R936 220
R935 10k
Q910 KRC107S-X
D910 1N4448WS-X
C929 0.01
C906 1.5
C907 100/6.3
C918 0.1
C903 0.01
C904 0.01
C905 0.01
R931 10k
R932 10k
R933 10k
KEY IN1
KEY IN2
KEY IN3
KEY IN4
KEY IN5
KEY IN6
CS1
CS2
VREF+
CN952
VIDEO_S/C
HEADPHONE_DET
AV COMPULINK
M_COMMAND
M_STATUS
M_RESET
M_CLK
M_CS
M_BUSY
BLUE_LED
LED_DIM1
LED_DIM2
R940 220
R941 220
R939 220
R944 220
R942 220
R943 220
4.3V
4.2V
4.4V
4.5V
3.5V
0.5V
0V
C926 330p
C925 330p
C928 330p
C927 330p
C921 0.001
FROM CN552 OF LVA10577-1 (SHEET 6)
*MARK:USE ONLY B,E,EN,EV,EE,UP
CN902
D+5V
D.GND
-VPP
FROM CN102 OF LVA10578-1 (SHEET 2)
C909 4.7/50
R911 10k
R912 1k
R913 1k
R914 1.2k
R915 1.5k
R916 2.2k
R917 2.7k
R918 3.9k
R919 10k
R920 1k
R921 1k
R922 1.2k
R923 1.5k
B901
B902
B903
B904
B905
B906
B907
B908
B909
B910
B911
J,C
D
E
F31
U4
U1
U2
U3
D201
D701
D301
R938 220
D916
D917
D918
D919
D920
D921
D922
D923
Q923 KRA107S-X
Q924 KRA107S-X
Q925 KRA107S-X
R957 680
R928 240
R927 240
BLUE LED
Q911
D909
D908
C917 N.I.
R951 N.I.
C916 N.I.
R946 N.I.
Q901 KRC107S-X
IC902 GP1UM271XKVF
C908 100/6.3
R934 N.I.
LVA10579-1

SHEET 11

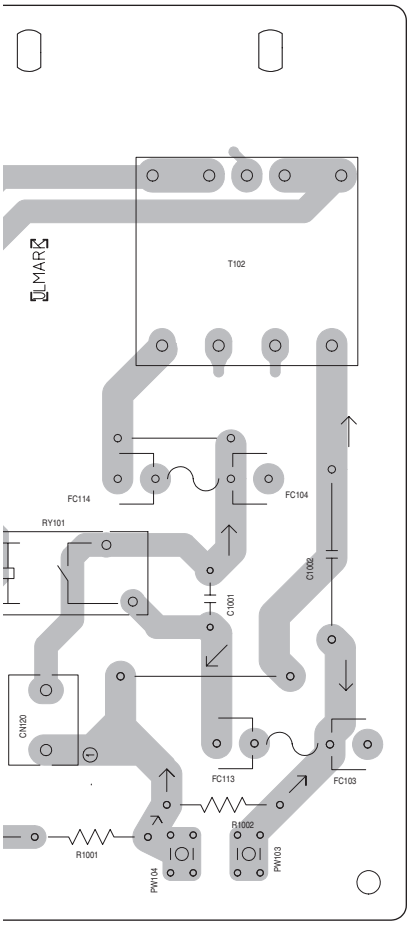
Printed circuit boards

■ Front board

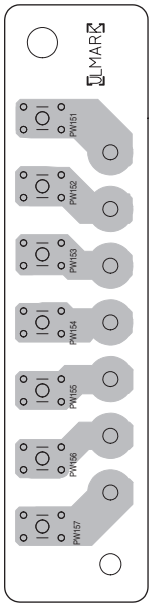
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



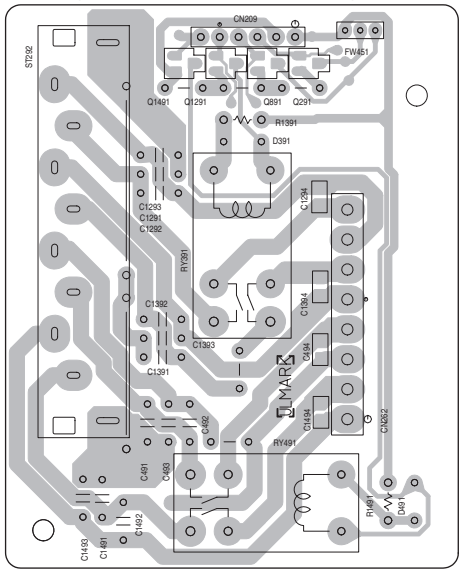
(Primary board)

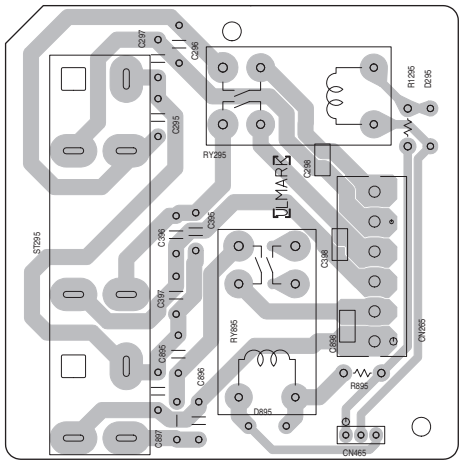


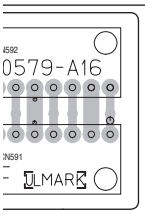
(Trans primary board)

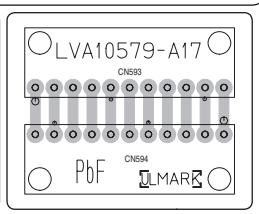


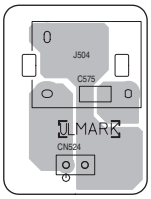
(Speaker terminal 2 board)





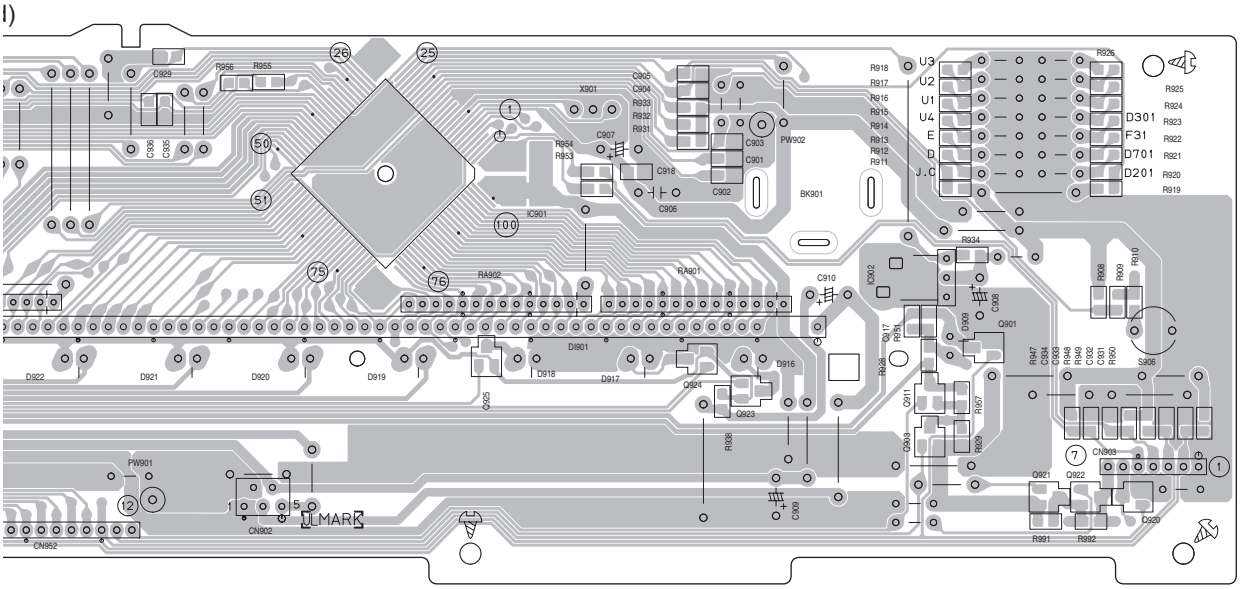






ect 1 board) (Connect 2 board) (Subwoofer board) (Speaker terminal 1 board)

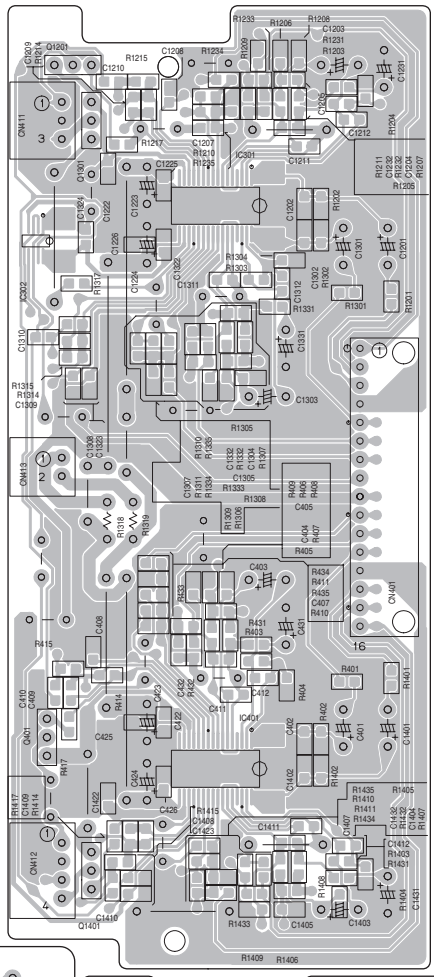
l)



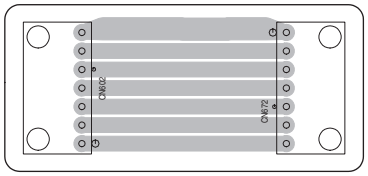
■ Amplifier board

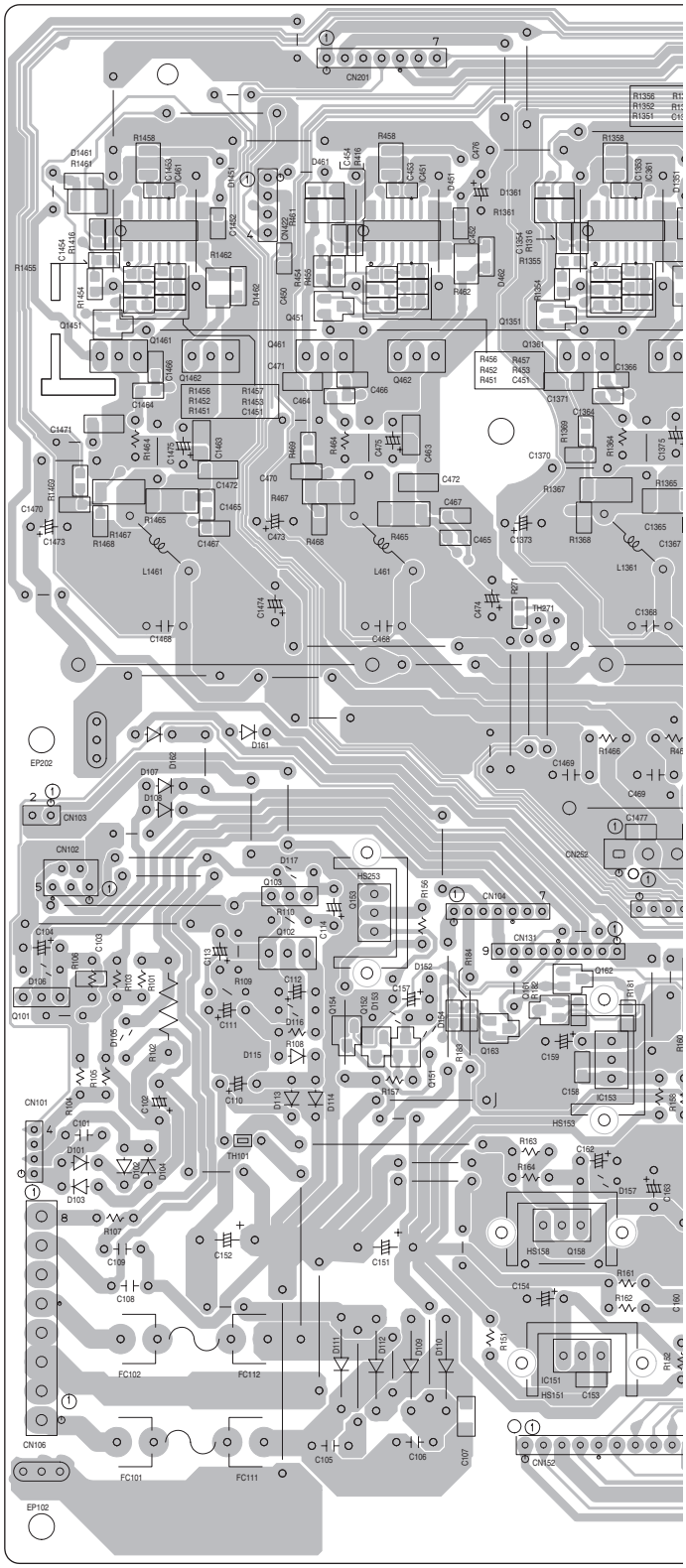
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

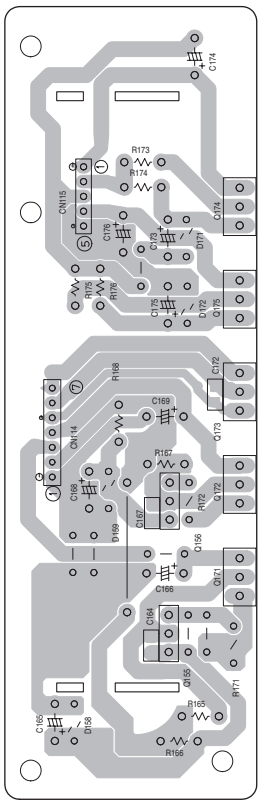
(PWM modulation 2 board)



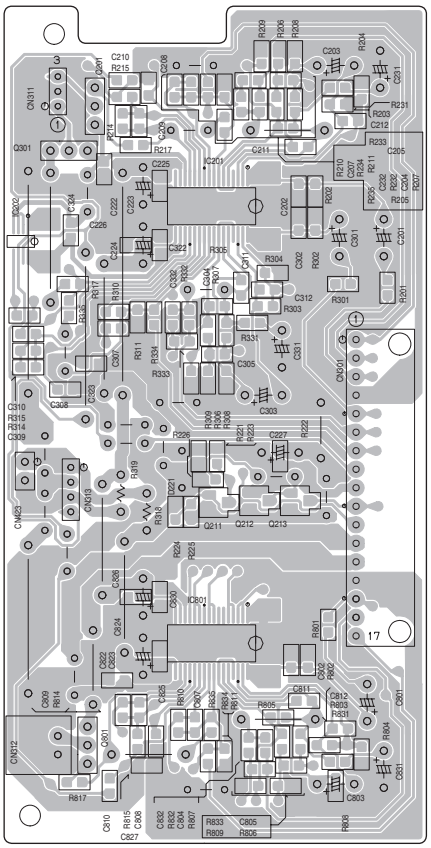
(DSP connect board)





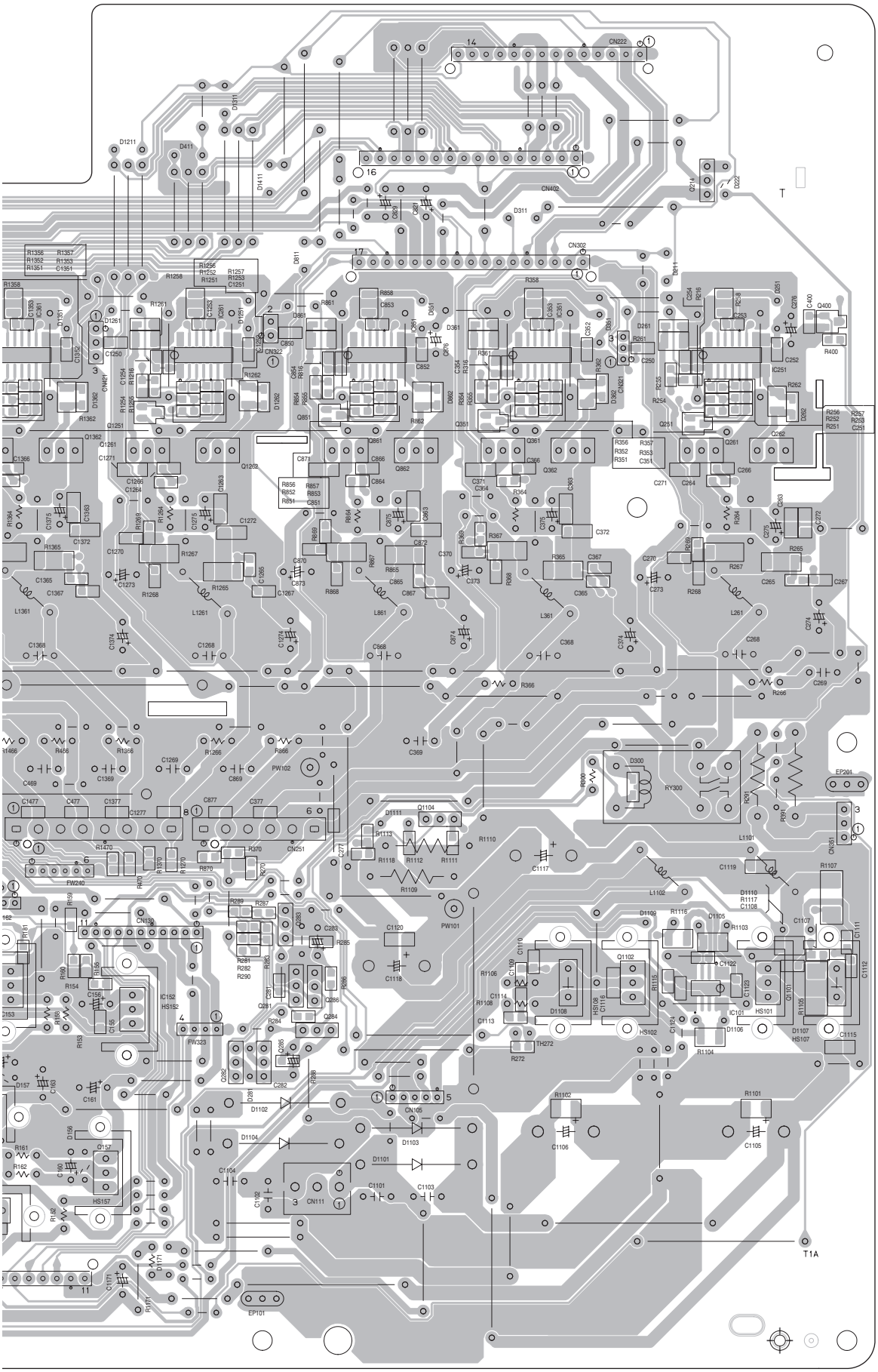


(Regulator board)



(PWM modulation 1 board)

(Main amplifier board)



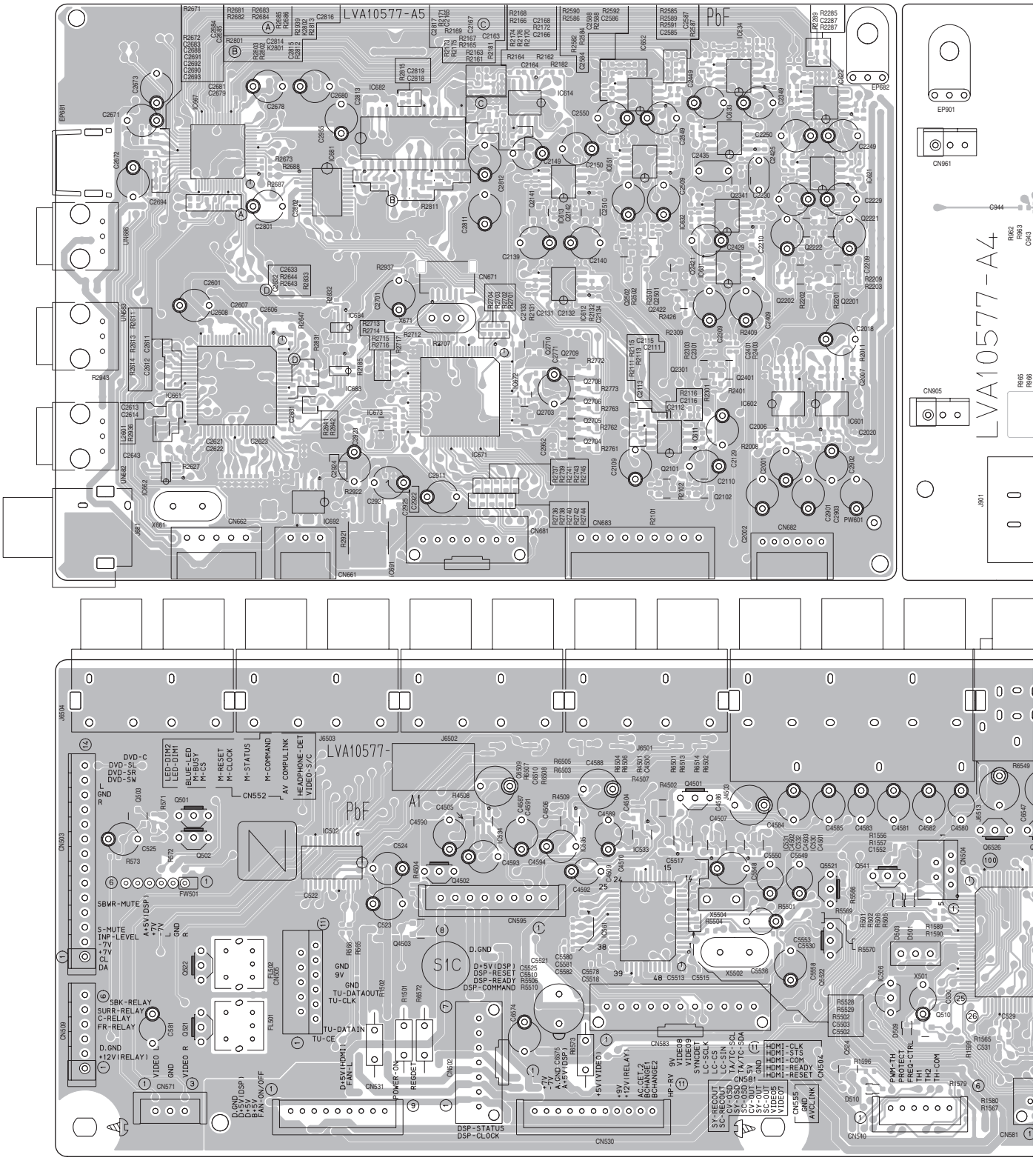
■ Input board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

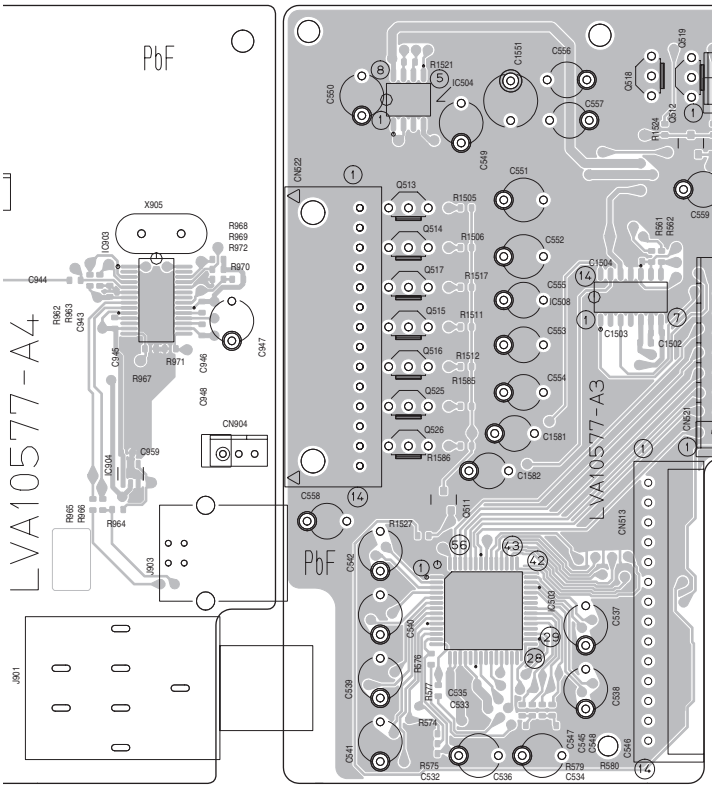
(Volume board)

(OSD conn



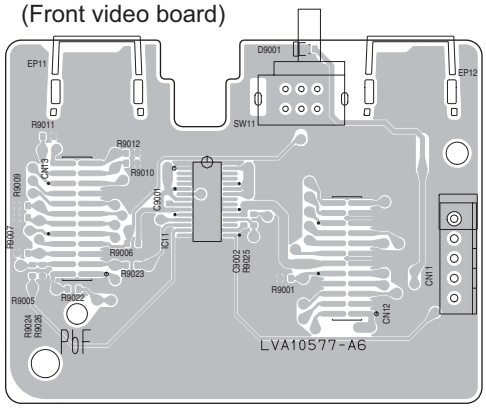
(Input board)

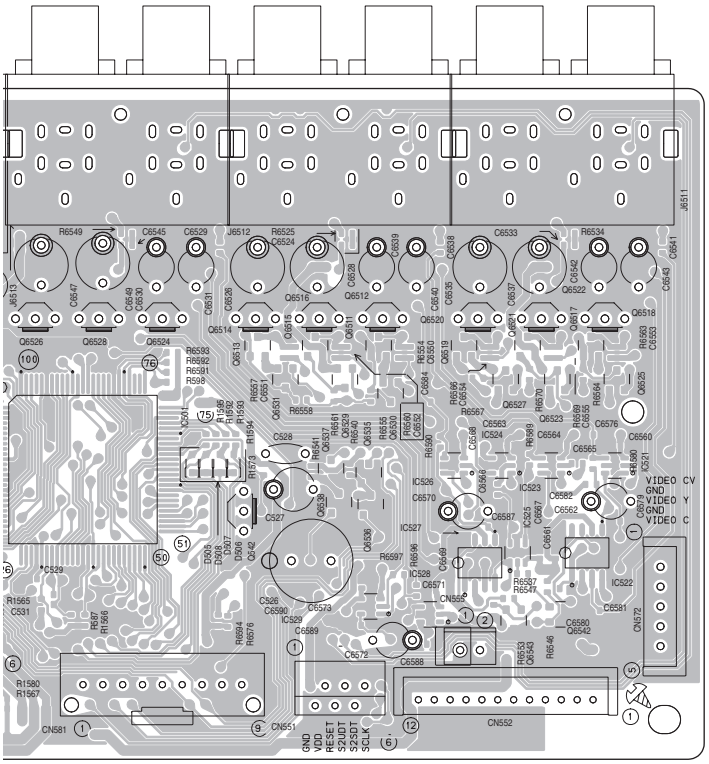
SD connect 2 board)

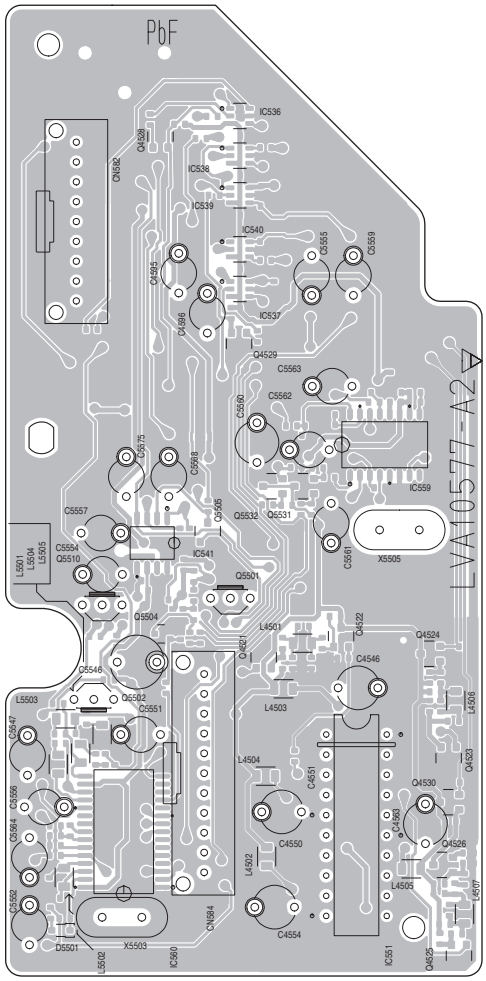


(OSD connect 1 board)

(Front video board)







(OSD board)

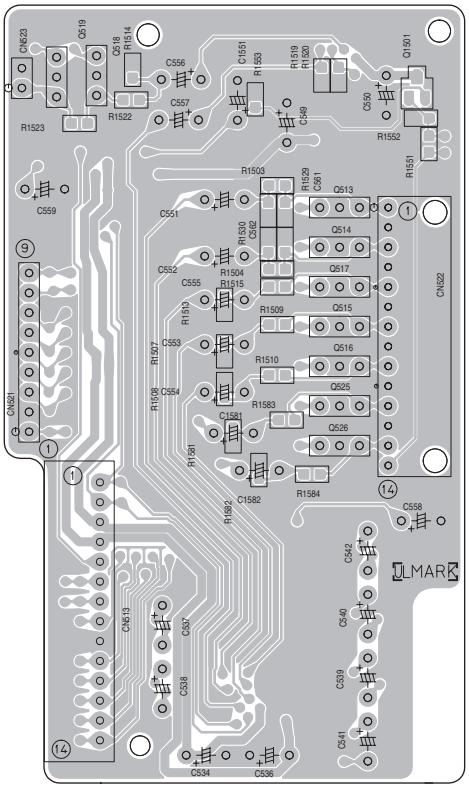
■ Input board

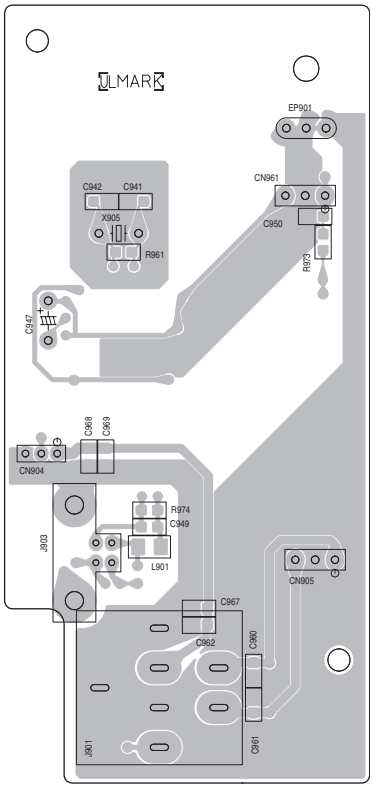
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Reverse side

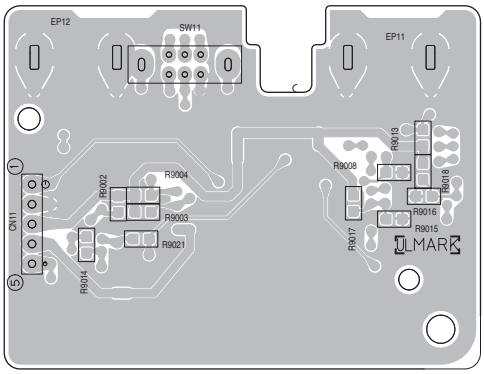
(OSD connect 1 board)

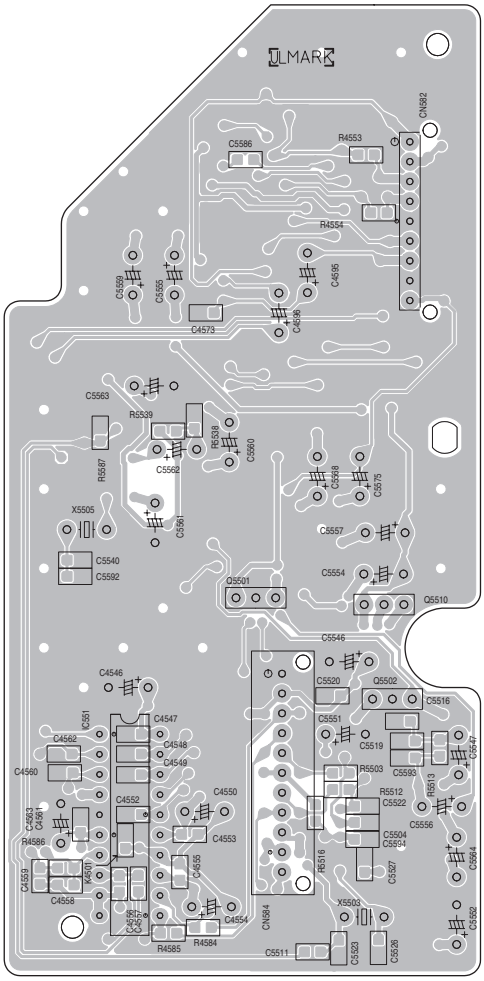
(OSD connect 2 board)



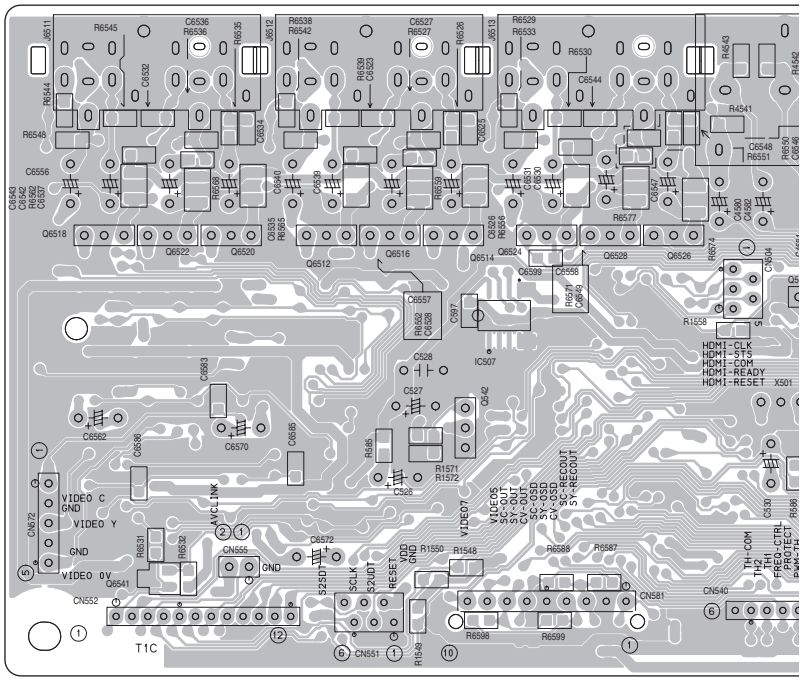


(Front video board)



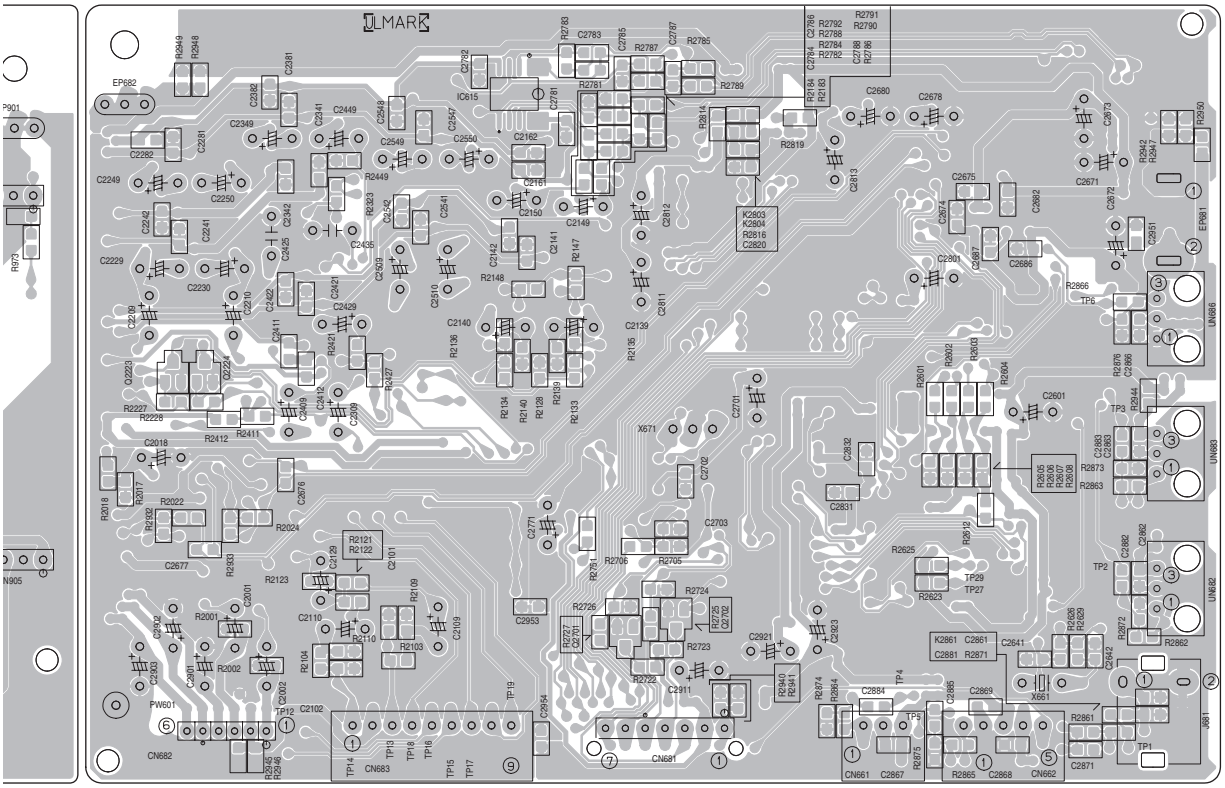


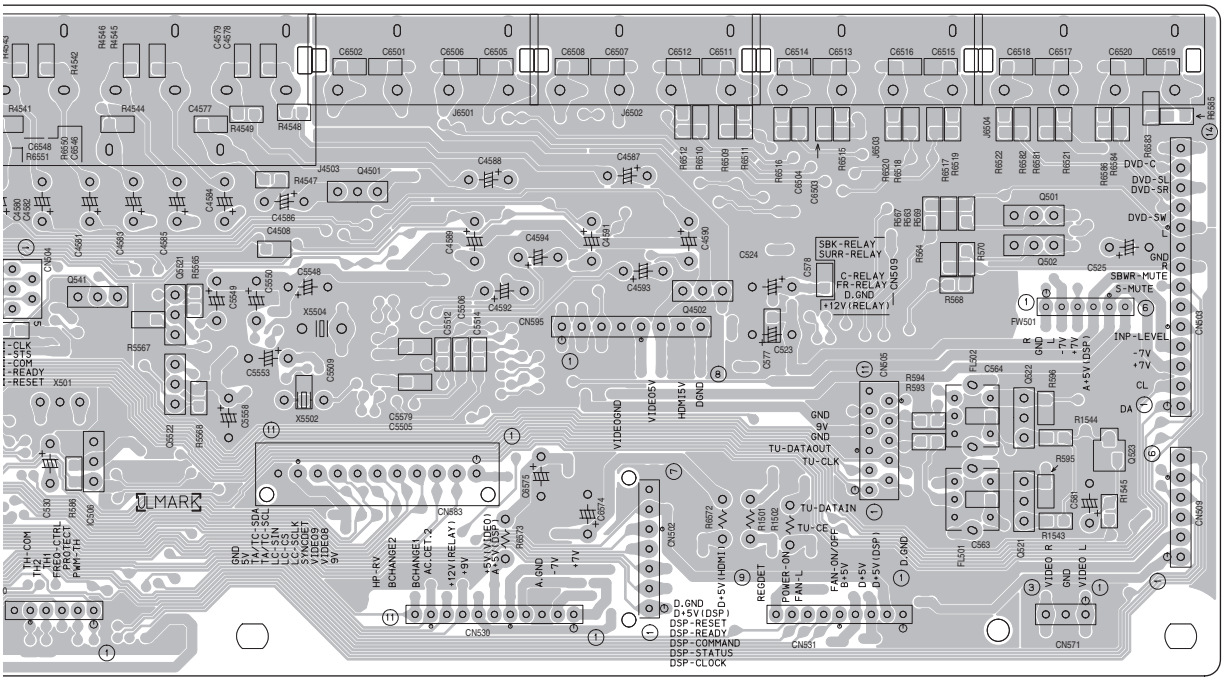
(OSD board)



)

(Volume board)





(Input board)

JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB383SCH)

Printed in Japan
VPT

PARTS LIST

[RX-D302B] [RX-D301S]

* All printed circuit boards and its assemblies are not available as service parts.

RX-D302B

Area suffix

J ---------- U.S.A.
C ---------- Canada

RX-D301S

Area suffix

J ---------- U.S.A.

- Contents -

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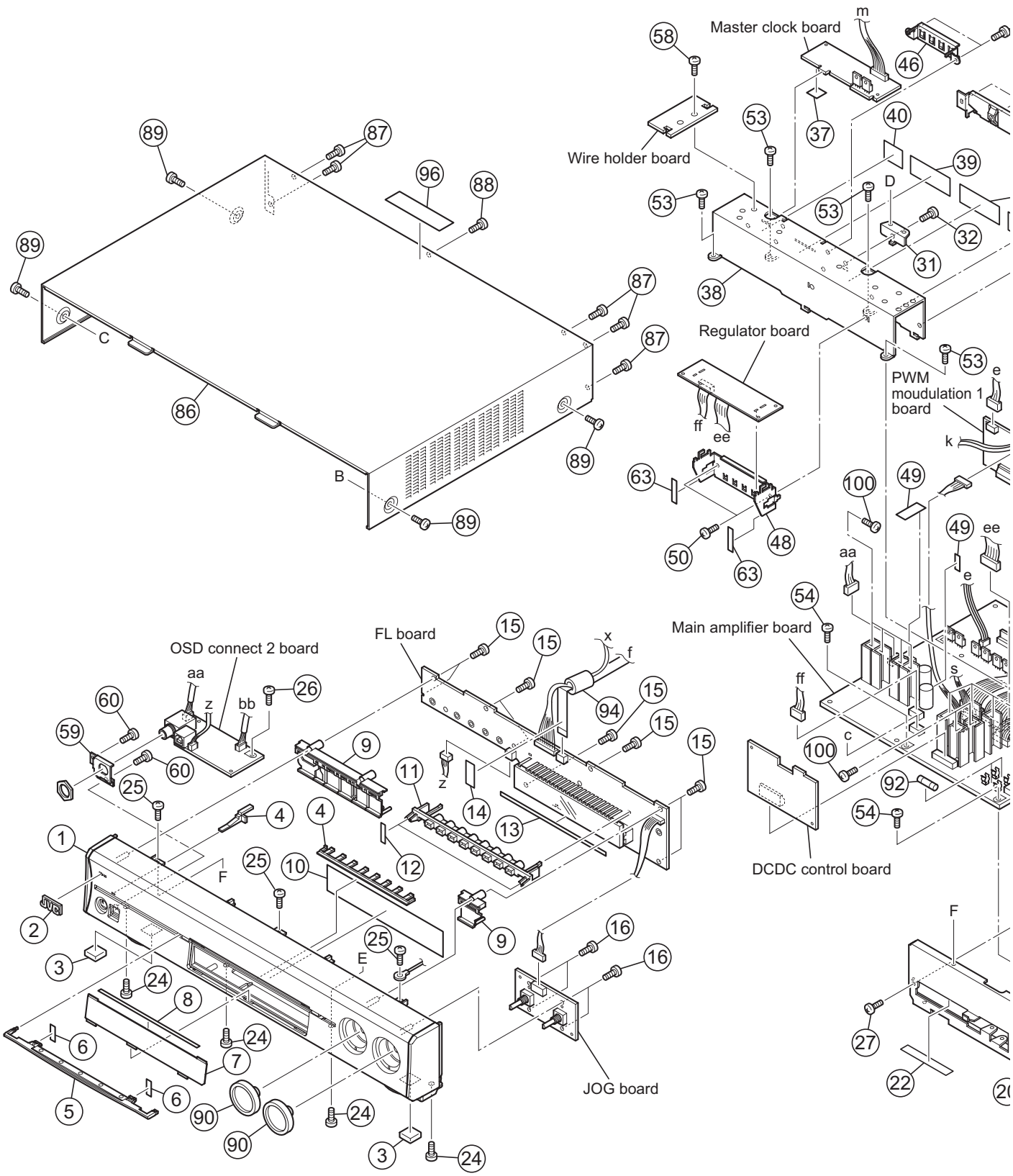
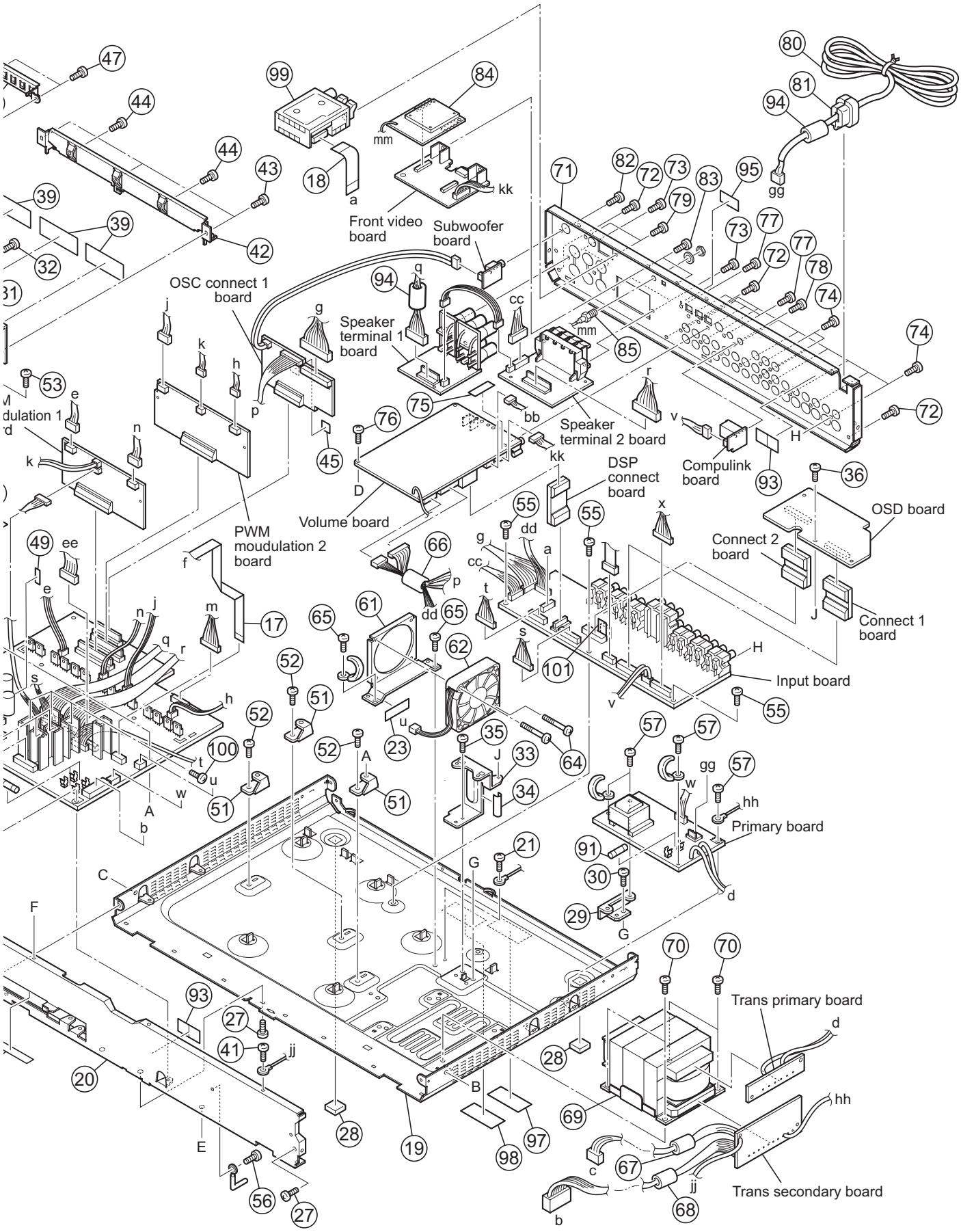
Electrical parts list (Block No.01~03) ---------- 3- 6
Packing materials and accessories parts list (Block No.M3)---------- 3-22

Exploded view of general assembly and parts list

Block No. M 1 M M




Front video board
Subwoofer board
OSC connect 1 board
Speaker terminal 1 board
Speaker terminal 2 board
Volume board
PWM moudulation 2 board
DSP connect board
Compulink board
OSD board
Connect 2 board
Connect 1 board
Input board
Primary board
Trans primary board
Trans secondary board

General Assembly

Block No. [M]1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11052-018A	FRONT PANEL		D301SJ
	1	LV11052-019A	FRONT PANEL		D302BC,D302BJ
	2	LV43338-002A	JVC MARK		
	3	LV43622-002A	FOOT	(x2)	
	4	LV35714-001A	SOURCE INDICATO		
	5	LV21918-003A	LIGHT LENS		
	6	LV30225-0P9A	SPACER	(x2)	
	7	LV36119-001A	FRONT LENS		D301SJ
	7	LV36119-002A	FRONT LENS		D302BC,D302BJ
	8	LV30225-0Z9A	SPACER		
	9	LV21919-008A	PUSH BUTTON		
	10	LV43381-004A	FILTER		
	11	LV21920-001A	LED HOLDER		
	12	LV30225-0L9A	SPACER	(x2)	
	13	LV30227-001A	SPACER		
	14	LV30225-0F4A	SPACER		
	15	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x8)	
	16	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	17	QUQ412-0519CJ-E	FFC WIRE	5pin 19cm	
	18	QUQ412-1117CJ-E	FFC WIRE	11pin 17cm	
	19	LV11051-002A	CHASSIS BASE		
	20	LV11055-001A	FRONT BRACKET		
	21	QYSBST3005EA	TAP SCREW	M3 x 5mm	
	22	LV30225-071A	SPACER		
	23	LV30225-0F4A	SPACER		
	24	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x4)	
	25	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x3)	
	26	QYSBSG3006ZA	TAP SCREW	M3 x 6mm	
	27	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x3)	
	28	LV43622-002A	FOOT	(x2)	
	29	LV34679-001A	PWB BRACKET		
	30	QYSBST3005EA	TAP SCREW	M3 x 5mm	
	31	LV34682-001A	C.B BRACKET		
	32	QYSBSG3006ZA	TAP SCREW	M3 x 6mm	
	33	LV35719-001A	SUPPORT BRACKET		
	34	LV30225-0F4A	SPACER		
	35	QYSBST3005EA	TAP SCREW	M3 x 5mm	
	36	QYSBSG3006ZA	TAP SCREW	M3 x 6mm	
	37	LV30225-0D4A	SPACER		
	38	LV21923-001A	HEAT SINK		
	39	LV43915-003A	COOLING RUBBER	(x3)	
	40	LV43915-004A	COOLING RUBBER		
	41	QYSBSG3006ZA	TAP SCREW	M3 x 6mm	
	42	LV35721-001A	FET BRACKET		
	43	QYSDSG3005EA	TAP SCREW	M3 x 5mm(x3)	
	44	QYSDSG3005EA	TAP SCREW	M3 x 5mm(x2)	
	45	LV30225-0D4A	SPACER		
	46	LV35043-002A	TRANSISTOR HOLD		
	47	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	48	LV35735-001A	TR BRACKET		
	49	LV30225-0F4A	SPACER	(x2)	
	50	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	51	E68587-223SM	CB BKT	(x3)	
	52	QYSBST3005EA	TAP SCREW	M3 x 5mm(x3)	
	53	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	54	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x2)	
	55	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x3)	
	56	QYSBSG3006ZA	TAP SCREW	M3 x 6mm	
	57	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x4)	
	58	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	59	LV44156-001A	H/P BRACKET		
	60	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	61	LV35723-001A	FAN BRACKET		
	62	QAR0312-001	FAN MOTOR		
	63	LV30225-0F4A	SPACER	(x2)	
	64	QYSBSG3020ZA	TAP SCREW	M3 x 20mm(x2)	
	65	QYSBST3005EA	TAP SCREW	M3 x 5mm(x2)	
	66	QQR0491-001	FERRITE CORE	TDK (GRAY)	
	67	QQR0491-001	FERRITE CORE	TDK (GRAY)	
	68	QQR0491-001	FERRITE CORE	TDK (GRAY)	
⚠	69	QQT0485-001	POWER TRANSF		
	70	QYSDSTL4006EA	TAP SCREW	M4 x 6mm(x4)	
	71	LV21924-059A	REAR PANEL		D301SJ
	71	LV21924-060A	REAR PANEL		D302BC,D302BJ

⚠	Symbol No.	Part No.	Part Name	Description	Local
	72	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	73	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	74	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x11)	
	75	LV30225-0X7A	SPACER		
	76	QYSBST3006ZA	TAP SCREW	M3 x 6mm	
	77	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x5)	
	78	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	79	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
⚠	80	QMPD380-200-JN	POWER CORD(US/CA)	2m BLACK	
⚠	81	QZW0033-001	STRAIN RELIEF		
	82	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	83	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	84	QAL0705-001	LAN MODULE		
	85	QAM0732-001	COAXIAL CABLE		
	86	LV21925-001A	TOP COVER		D301SJ
	86	LV21925-002A	TOP COVER		D302BC,D302BJ
	87	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x5)	
	88	LV44339-001A	SPECIAL SCREW		
	89	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x4)	D301SJ
	89	QYSDSG3008MA	TAP SCREW	M3 x 8mm(x4)	D302BC,D302BJ
	90	LV44151-003A	ROTARY KNOB ASS	(x2)	D301SJ
	90	LV44151-004A	ROTARY KNOB ASS	(x2)	D302BC,D302BJ
⚠	91	QMF51U1-6R3-J8	FUSE	F103 6.3A AC125V	
⚠	92	QMF51U1-2R0-J8	FUSE	F101 F102 2A AC125V(x2)	
	93	LV43517-001A	FUSE CAUTION	(x2)	
	94	QQR0491-001	FERRITE CORE	TDK (GRAY)(x3)	
	95	LV44315-001A	LABEL		
	96	E409396-003	CAUTION LABEL		D302BC
	96	E409394-001	CAUTION LABEL		D301SJ,D302BJ
	97	LV43550-004A	LABEL		
	98	LV43835-001A	EMC LABEL		
	99	QAU0307-003	TUNER		
	100	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x9)	
	101	LV30225-023A	SPACER		

Electrical parts list

Front board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW153	QUB116-15PPPP-E	SIN TWIST WIRE		
PW155	QUB111-15PPPP-E	SIN TWIST WIRE		
PW903	QUB220-08DMHP-E	SIN TWIST WIRE		
IC111	NJM2125F-X	IC		
IC112	NJM2403M-X	IC		
IC113	SN74HC00ANS-X	IC		
IC115	SN74HC74ANS-X	IC		
IC121	KIA7805API	IC		
IC211	SN74HCU04ANS-X	IC		
IC212	SN74HC00ANS-X	IC		
IC213	SN74HC08NS-X	IC		
IC214	SN74HC74ANS-X	IC		
IC901	MN101C35DMF	IC		
IC902	GP1UM281XKVF	IR DETECT UNIT		
Q291	KTC3875/YG/-X	SI TRANSISTOR		
⚠ Q441	2SD2394/EF/	TRANSISTOR		
⚠ Q444	KTA1046/Y/	TRANSISTOR		
Q445	2SC2812N/6/-X	TRANSISTOR		
Q891	KTC3875/YG/-X	SI TRANSISTOR		
Q901	KRC107S-X	DIGI TRANSISTOR		
Q903	KRA114S-X	TRANSISTOR		
Q910	KRC107S-X	DIGI TRANSISTOR		
Q911	KRA114S-X	TRANSISTOR		
Q923	KRA107S-X	DIGI TRANSISTOR		
Q924	KRA107S-X	DIGI TRANSISTOR		
Q925	KRA107S-X	DIGI TRANSISTOR		
Q1001	KRC105S-X	DIGI TRANSISTOR		
Q1103	KTA1268/GL/-T	TRANSISTOR		
Q1151	KRC102S-X	DIGI TRANSISTOR		
Q1152	KRC102S-X	DIGI TRANSISTOR		
Q1171	KTC3875/YG/-X	SI TRANSISTOR		
Q1172	KRC102S-X	DIGI TRANSISTOR		
Q1173	KTA1504/YG/-X	SI TRANSISTOR		
Q1174	KTC3875/YG/-X	SI TRANSISTOR		
Q1291	KTC3875/YG/-X	SI TRANSISTOR		
Q1491	KTC3875/YG/-X	SI TRANSISTOR		
D241	1SS133-T2	SI DIODE		
D242	1SS133-T2	SI DIODE		
D295	1SS133-T2	SI DIODE		
D341	UDZS2.7B-X	Z DIODE		
D391	1SS133-T2	SI DIODE		
D441	MTZJ20C-T2	Z DIODE		
D442	MTZJ24B-T2	Z DIODE		
D444	MTZJ11C-T2	Z DIODE		
D491	1SS133-T2	SI DIODE		
D512	UDZS6.2B-X	Z DIODE		
D895	1SS133-T2	SI DIODE		
D907	SLR-343VC-T	LED		
D908	SELU2E10C-P	LED		
D909	SELU2E10C-P	LED		
D910	1N4448WS-X	SI DIODE		
D916	SLR-343VC-T	LED		
D917	SLR-343VC-T	LED		
D918	SLR-343VC-T	LED		
D919	SLR-343VC-T	LED		
D920	SLR-343VC-T	LED		
D921	SLR-343VC-T	LED		
D922	SLR-343VC-T	LED		
D923	SLR-343VC-T	LED		
D1001	1SS133-T2	SI DIODE		
D1151	1SS133-T2	SI DIODE		
D1152	1SS133-T2	SI DIODE		
D1153	1SS133-T2	SI DIODE		
D1154	UDZS2.7B-X	Z DIODE		
D1155	1SS133-T2	SI DIODE		
D1172	1SS133-T2	SI DIODE		
D1173	1SS133-T2	SI DIODE		
D1174	1SS133-T2	SI DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C242	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C243	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C244	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C245	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C247	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C248	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C249	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C295	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C296	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C297	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C341	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C395	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C396	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C397	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C441	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C442	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C443	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C491	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C492	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C493	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C895	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C896	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C897	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C904	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C905	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C906	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C907	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
C908	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
C909	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C910	QER61HM-475Z	E CAPACITOR	4.7uF 50V M	
C911	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C912	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C913	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C914	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C915	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C921	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C929	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C931	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C932	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C933	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C934	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
⚠ C1001	QCZ9104-472	C CAPACITOR	4700pF	
⚠ C1002	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M	
C1151	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1152	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1153	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1154	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1155	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1156	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1157	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1158	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1159	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C1172	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1174	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1182	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1291	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1292	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1293	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C1391	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1392	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1393	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C1491	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1492	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C1493	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C6577	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C6578	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
R241	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R242	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R243	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R244	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R246	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R247	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
⚠ R441	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
⚠ R442	QRK126J-362X	UNF C RESISTOR	3.6kΩ 1/2W J	
R443	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
⚠ R444	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
⚠ R895	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R902	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R903	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R905	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R909	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R919	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R920	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R921	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R922	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R923	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R927	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R928	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R929	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R930	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R931	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R932	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R935	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R936	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R938	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R939	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R940	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R941	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R942	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R943	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R944	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R947	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R948	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R949	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R950	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R953	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R954	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R955	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R956	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R957	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
⚠ R1001	QRZ9037-335	COMP RESISTOR	3.3MΩ 1/2W K	
⚠ R1002	QRZ9037-335	COMP RESISTOR	3.3MΩ 1/2W K	
R1114	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1151	NRSA63J-362X	MG RESISTOR	3.6kΩ 1/16W J	
R1152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1153	NRSA63F-222X	MG RESISTOR	2.2kΩ 1/16W F	
R1154	NRSA63F-332X	MG RESISTOR	3.3kΩ 1/16W F	
R1155	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1156	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1158	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R1159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1160	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1161	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1162	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1163	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1164	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1165	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1166	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1169	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1170	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1172	NRSA02J-332X	MG RESISTOR	3.3kΩ 1/10W J	
R1173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1174	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1175	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1176	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1178	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1179	NRSA63F-332X	MG RESISTOR	3.3kΩ 1/16W F	
R1180	NRSA63J-133X	MG RESISTOR	13kΩ 1/16W J	
R1181	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
⚠ R1295	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
⚠ R1391	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
⚠ R1491	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R1575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6595	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
⚠ T102	QQT0478-001	POWER TRANSF		
BK901	LV34673-001A	FL HOLDER(L)		
BK902	LV34687-001A	FL HOLDER(R)		
CN120	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN151	QGB2510K1-11	CONNECTOR	B-B (1-11)	
CN202	QJK002-071802-E	SIN CR C-B WIRE		
CN206	WJK0208-002A-E	E-SI C WIRE C-B		
CN209	QGA2501C1-06	CONNECTOR	W-B (1-6)	
CN211	QJK012-033803-E	SIN CR C-B WIRE		
CN262	QGA3901C1-08	CONNECTOR	W-B (1-8)	
CN265	QGA3901C1-06	CONNECTOR	W-B (1-6)	
CN465	QGA2001C1-03	CONNECTOR	W-B (1-3)	
CN524	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN565	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN591	QGB2510K1-09	CONNECTOR	B-B (1-9)	
CN592	QGB2510K1-09	CONNECTOR	B-B (1-9)	
CN593	QGB2510K1-11	CONNECTOR	B-B (1-11)	
CN594	QGB2510K1-11	CONNECTOR	B-B (1-11)	
CN902	QGF1205F1-05	CONNECTOR	FFC/FPC (1-5)	
CN903	QJK021-070802-E	SIN CR C-B		
CN913	QGA2001F1-07	CONNECTOR	W-B (1-7)	
CN914	QGA2001F1-03	CONNECTOR	W-B (1-3)	
CN952	QJK021-124402-E	SIN CR C-B WIRE		
DI901	QLF0157-001	FL TUBE		
EP151	QNZ0136-001Z	EARTH PLATE		
FC103	QNG0020-001Z	FUSE CLIP		
FC113	QNG0020-001Z	FUSE CLIP		
FS900	VYSH101-009	SPACER		
FS901	VYSH101-009	SPACER		
FW121	WJS0047-003A-E	E-FL/RB WIRE		
FW451	WJS0046-003A-E	E-FL/RB WIRE		
J504	QNN0545-002	SURROUND JACK		
J505	QNS0089-001	3.5 JACK		
JS901	QSW1129-001	ROTARY ENCODER		
JS902	QSW1129-001	ROTARY ENCODER		
⚠ RY101	QSK0128-001	RELAY		
⚠ RY295	QSK0127-001	RELAY		
⚠ RY391	QSK0127-001	RELAY		
⚠ RY491	QSK0127-001	RELAY		
⚠ RY895	QSK0127-001	RELAY		
S901	QSW0683-001Z	PUSH SW		
S902	QSW0683-001Z	PUSH SW		
S903	QSW0683-001Z	PUSH SW		
S904	QSW0683-001Z	PUSH SW		
S905	QSW0683-001Z	PUSH SW		
S906	QSW0683-001Z	PUSH SW		
ST292	QNB0256-001	IC		
ST295	QNB0078-001	SPK TERMINAL		
WR902	QUB220-05A2A2-E	SIN TWIST WIRE		
WR903	QUB220-05A2A2-E	SIN TWIST WIRE		
X241	QAX0734-001	C RESONATOR	400.00kHz	
X242	QAX0735-001	C RESONATOR	420.00kHz	
X901	QAX0246-001Z	C RESONATOR	8.00MHz	

Amplifier board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC101	IRS2011S-X	IC		
⚠ IC151	KIA7805API	IC		
⚠ IC152	KIA7809API	IC		
⚠ IC153	KIA7805API	IC		
IC201	JCV8015-X	IC		
IC202	SN74LVC3G04T-X	IC		
IC251	IRS20124S-X	IC		
IC261	IRS20124S-X	IC		
IC301	JCV8015-X	IC		
IC302	SN74LVC3G04T-X	IC		
IC351	IRS20124S-X	IC		
IC361	IRS20124S-X	IC		
IC401	JCV8015-X	IC		
IC451	IRS20124S-X	IC		
IC461	IRS20124S-X	IC		
IC801	JCV8015-X	IC		
IC851	IRS20124S-X	IC		
⚠ Q101	KTD863/Y/-T	TRANSISTOR		
⚠ Q102	KTA1046/Y/	TRANSISTOR		
Q103	KTC3200/GL/-T	TRANSISTOR		
Q151	KRA102S-X	DIGI TRANSISTOR		
Q152	KRC102S-X	DIGI TRANSISTOR		
⚠ Q153	2SD2394/EF/	TRANSISTOR		
Q154	KRC102S-X	DIGI TRANSISTOR		
⚠ Q157	2SD2394/EF/	TRANSISTOR		
⚠ Q158	KTA1046/Y/	TRANSISTOR		
Q161	KRC111S-X	TRANSISTOR		
Q162	KRC111S-X	TRANSISTOR		
Q163	KRC111S-X	TRANSISTOR		
⚠ Q171	2SD2394/EF/	TRANSISTOR		
⚠ Q174	2SD2394/EF/	TRANSISTOR		
⚠ Q175	2SD2394/EF/	TRANSISTOR		
Q201	KTA1268/GL/-T	TRANSISTOR		
Q211	KTC3875/YG/-X	SI TRANSISTOR		
Q214	KRC102M-T	DIGI TRANSISTOR		
Q251	KTA1504/YG/-X	SI TRANSISTOR		
Q261	IRFB4212	FET		
Q262	IRFB4212	FET		
Q281	KRC109M-T	DIGI TRANSISTOR		
Q282	KRA102M-T	DIGI TRANSISTOR		
Q283	KTC3200/GL/-T	TRANSISTOR		
Q284	KTA1268/GL/-T	TRANSISTOR		
Q285	KTC3199/GL/-T	TRANSISTOR		
Q286	KRC102M-T	DIGI TRANSISTOR		
Q301	KTA1268/GL/-T	TRANSISTOR		
Q351	KTA1504/YG/-X	SI TRANSISTOR		
Q361	IRFB4212	FET		
Q362	IRFB4212	FET		
Q401	KTA1268/GL/-T	TRANSISTOR		
Q451	KTA1504/YG/-X	SI TRANSISTOR		
Q461	IRFB4212	FET		
Q462	IRFB4212	FET		
Q801	KTA1268/GL/-T	TRANSISTOR		
Q851	KTA1504/YG/-X	SI TRANSISTOR		
Q861	IRFB4212	FET		
Q862	IRFB4212	FET		
⚠ Q1101	2SK3599-01MR	POWER MOS FET		
⚠ Q1102	2SK3599-01MR	POWER MOS FET		
Q1104	KTA1268/GL/-T	TRANSISTOR		
Q1201	KTA1268/GL/-T	TRANSISTOR		
Q1251	KTA1504/YG/-X	SI TRANSISTOR		
Q1261	IRFB4212	FET		
Q1262	IRFB4212	FET		
Q1301	KTA1268/GL/-T	TRANSISTOR		
Q1351	KTA1504/YG/-X	SI TRANSISTOR		
Q1361	IRFB4212	FET		
Q1362	IRFB4212	FET		
Q1401	KTA1268/GL/-T	TRANSISTOR		
Q1451	KTA1504/YG/-X	SI TRANSISTOR		
Q1461	IRFB4212	FET		
Q1462	IRFB4212	FET		
⚠ D101	1A3G-T1	SI DIODE		
⚠ D102	1A3G-T1	SI DIODE		
⚠ D103	1A3G-T1	SI DIODE		
⚠ D104	1A3G-T1	SI DIODE		
D106	MTZJ6.2B-T2	Z DIODE		
D107	1A3G-T1	SI DIODE		
D108	1A3G-T1	SI DIODE		
⚠ D109	10DDA20-FD	DIODE		
⚠ D110	10DDA20-FD	DIODE		
⚠ D111	10DDA20-FD	DIODE		
⚠ D112	10DDA20-FD	DIODE		
⚠ D113	1A3G-T1	SI DIODE		
⚠ D114	1A3G-T1	SI DIODE		
⚠ D115	1A3G-T1	SI DIODE		
D116	MTZJ36C-T2	Z DIODE		
D117	MTZJ8.2C-T2	Z DIODE		
D152	1SS133-T2	SI DIODE		
D153	MTZJ13B-T2	Z DIODE		
D154	MTZJ9.1C-T2	Z DIODE		
D156	MTZJ8.2C-T2	Z DIODE		
D157	MTZJ8.2C-T2	Z DIODE		
D158	MTZJ6.2C-T2	Z DIODE		
D161	1A3G-T1	SI DIODE		
D162	1A3G-T1	SI DIODE		
D171	MTZJ13B-T2	Z DIODE		
D172	MTZJ13B-T2	Z DIODE		
D211	1SS133-T2	SI DIODE		
D221	1SS133-T2	SI DIODE		
D222	MTZJ16B-T2	Z DIODE		
D251	1SS133-T2	SI DIODE		
D281	1SS133-T2	SI DIODE		
D300	MA111-X	SI DIODE		
D311	1SS133-T2	SI DIODE		
D351	1SS133-T2	SI DIODE		
D411	1SS133-T2	SI DIODE		
D451	1SS133-T2	SI DIODE		
D811	1SS133-T2	SI DIODE		
D851	1SS133-T2	SI DIODE		
⚠ D1101	30PRA20-FC	SI DIODE		
⚠ D1102	30PRA20-FC	SI DIODE		
⚠ D1103	30PRA20-FC	SI DIODE		
⚠ D1104	30PRA20-FC	SI DIODE		
⚠ D1107	FMB-G19L	SB DIODE		
⚠ D1108	FMB-G19L	SB DIODE		
D1109	1SS133-T2	SI DIODE		
D1110	1SS133-T2	SI DIODE		
D1111	1SS133-T2	SI DIODE		
D1171	1SS133-T2	SI DIODE		
D1211	1SS133-T2	SI DIODE		
D1251	1SS133-T2	SI DIODE		
D1311	1SS133-T2	SI DIODE		
D1351	1SS133-T2	SI DIODE		
D1411	1SS133-T2	SI DIODE		
D1451	1SS133-T2	SI DIODE		
C101	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C102	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C105	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J	
C106	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J	
C107	NCZ1061-104X	C CAPACITOR	0.1uF	
C108	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C109	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C110	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C111	QETN1JM-107Z	E CAPACITOR	100uF 63V M	
C112	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C113	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C114	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C151	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C152	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C154	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C155	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C156	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C158	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C159	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C160	QETN1CM-107Z	E CAPACITOR	100uF 16V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C161	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C162	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C163	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C164	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C165	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C166	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C173	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C174	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C175	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C176	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C201	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C202	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C203	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C204	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C205	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C208	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C209	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C210	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C211	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C212	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C222	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C223	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C224	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C225	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C226	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C227	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C231	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C232	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C251	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C252	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C253	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C254	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C263	NCZ1061-104X	C CAPACITOR	0.1uF	
C264	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C265	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C266	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C267	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C268	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C269	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C270	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C271	NCZ1061-104X	C CAPACITOR	0.1uF	
C272	NCZ1061-104X	C CAPACITOR	0.1uF	
C273	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C274	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C275	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C276	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C277	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C281	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C282	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C283	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C284	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C301	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C302	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C303	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C304	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C305	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C307	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C308	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C309	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C310	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C311	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C312	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C322	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C323	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C331	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C332	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C353	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C354	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C363	NCZ1061-104X	C CAPACITOR	0.1uF	
C364	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C365	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C366	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C367	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C368	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C369	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C370	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C371	NCZ1061-104X	C CAPACITOR	0.1uF	
C372	NCZ1061-104X	C CAPACITOR	0.1uF	
C373	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C374	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C375	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C377	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C401	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C402	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C403	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C405	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C407	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C408	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C409	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C410	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C411	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C422	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C423	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C424	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C426	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C431	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C432	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C451	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C452	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C453	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C454	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C463	NCZ1061-104X	C CAPACITOR	0.1uF	
C464	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C465	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C466	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C467	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C468	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C469	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C470	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C471	NCZ1061-104X	C CAPACITOR	0.1uF	
C472	NCZ1061-104X	C CAPACITOR	0.1uF	
C473	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C474	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C475	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C476	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C477	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C801	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C802	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C803	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C804	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C805	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C807	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C808	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C809	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C810	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C811	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C812	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C821	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C822	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C823	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C824	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C825	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C826	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C827	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C829	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C830	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C831	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C832	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C852	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C853	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C854	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C863	NCZ1061-104X	C CAPACITOR	0.1uF	
C864	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C865	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C866	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C867	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C868	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C869	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C870	NCB31HK-102X	C CAPACITOR	1000pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C871	NCZ1061-104X	C CAPACITOR	0.1uF	
C872	NCZ1061-104X	C CAPACITOR	0.1uF	
C873	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C874	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C875	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C876	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C877	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1101	QFKC2AJ-224Z	MM CAPACITOR	0.22uF 100V J	
C1102	QFKC2AJ-224Z	MM CAPACITOR	0.22uF 100V J	
C1103	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1104	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1105	QEZ0742-688	E CAPACITOR	6800uF	
C1106	QEZ0742-688	E CAPACITOR	6800uF	
C1107	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1108	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1109	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1110	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1111	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1112	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1113	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1114	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1115	NCZ1061-104X	C CAPACITOR	0.1uF	
C1116	NCZ1061-104X	C CAPACITOR	0.1uF	
C1117	QEZ0570-228	E CAPACITOR	2200uF	
C1118	QEZ0570-228	E CAPACITOR	2200uF	
C1119	NCZ1061-104X	C CAPACITOR	0.1uF	
C1120	NCZ1061-104X	C CAPACITOR	0.1uF	
C1122	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C1123	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1124	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1125	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1171	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1201	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1202	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C1203	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1204	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1205	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1208	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1209	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C1210	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1211	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1222	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1223	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1224	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1225	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1226	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1231	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1232	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1251	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1252	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1253	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C1254	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1263	NCZ1061-104X	C CAPACITOR	0.1uF	
C1264	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1265	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1266	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1267	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1268	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C1269	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1270	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1271	NCZ1061-104X	C CAPACITOR	0.1uF	
C1272	NCZ1061-104X	C CAPACITOR	0.1uF	
C1273	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1274	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1275	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C1277	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1301	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1302	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C1303	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1304	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1305	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1307	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1308	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1309	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C1310	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1311	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1322	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1323	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1331	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1332	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1352	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1353	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C1354	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1363	NCZ1061-104X	C CAPACITOR	0.1uF	
C1364	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1365	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1366	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1367	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1368	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C1369	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1370	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1371	NCZ1061-104X	C CAPACITOR	0.1uF	
C1372	NCZ1061-104X	C CAPACITOR	0.1uF	
C1373	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1374	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1375	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C1377	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1401	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1402	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C1403	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1407	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1408	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1409	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C1410	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1411	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1422	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1423	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1431	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1432	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1451	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1452	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1453	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C1454	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1463	NCZ1061-104X	C CAPACITOR	0.1uF	
C1464	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1465	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1466	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1467	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1468	QFKC2AJ-155Z	MM CAPACITOR	1.5uF 100V J	
C1469	QFVM2AJ-104Z	MF CAPACITOR	0.1uF 100V J	
C1470	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1471	NCZ1061-104X	C CAPACITOR	0.1uF	
C1472	NCZ1061-104X	C CAPACITOR	0.1uF	
C1473	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1474	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C1475	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C1477	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
⚠R103	QRJ146J-6R8X	UNF C RESISTOR	6.8Ω 1/4W J	
R105	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠R106	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
⚠R107	QRJ146J-5R6X	UNF C RESISTOR	5.6Ω 1/4W J	
⚠R108	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R109	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R110	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
⚠R151	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
⚠R152	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠R153	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R155	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
⚠R156	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠R157	QRJ146J-561X	UNF C RESISTOR	560Ω 1/4W J	
⚠R158	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R159	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R160	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R161	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
⚠R162	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
⚠R163	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
⚠R164	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
⚠R165	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
⚠R166	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ R173	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
⚠ R174	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
⚠ R175	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
⚠ R176	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R181	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R182	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R183	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R184	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R201	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R202	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R203	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R205	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R207	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R210	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R214	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R215	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R216	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R217	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R221	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R222	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R223	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R225	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R232	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R233	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R234	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R252	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R253	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R254	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R255	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R256	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R257	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R258	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R261	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R262	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R264	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R265	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R266	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R267	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R268	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R269	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R270	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R281	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R282	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R284	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R285	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R287	NRSA02J-392X	MG RESISTOR	3.9kΩ 1/10W J	
R288	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R291	QRL027J-471	OMF RESISTOR	470Ω 2W J	
⚠ R300	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R305	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R306	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R307	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R309	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R311	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R315	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R316	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R317	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R318	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R319	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R331	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R332	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R333	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R334	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R352	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R353	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R354	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R355	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R356	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R357	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R358	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R361	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R362	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R364	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R365	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R366	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R367	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R368	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R369	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R370	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R391	QRL027J-471	OMF RESISTOR	470Ω 2W J	
R401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R402	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R403	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R405	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R406	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R407	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R408	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R410	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R411	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R414	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R415	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R416	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R417	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R433	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R434	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R435	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R452	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R454	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R455	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R456	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R457	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R458	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R461	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R462	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R464	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R465	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R466	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R467	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R468	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R469	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R470	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R802	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R803	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R804	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R805	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R808	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R810	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R811	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R814	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R815	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R816	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R817	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R831	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R832	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R833	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R834	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R835	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R852	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R853	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R854	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R855	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R856	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R857	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R858	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R861	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R862	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R864	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R865	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R866	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R867	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R868	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R869	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R870	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1101	NRS144J-104X	MG RESISTOR	100kΩ 1/4W J	
R1102	NRS144J-104X	MG RESISTOR	100kΩ 1/4W J	
⚠ R1103	NRS144J-330X	MG RESISTOR	33Ω 1/4W J	
⚠ R1104	NRS144J-330X	MG RESISTOR	33Ω 1/4W J	
R1105	NRS016J-100X	MG RESISTOR	10Ω 1W J	
R1106	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R1107	NRS016J-100X	MG RESISTOR	10Ω 1W J	
R1108	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R1109	QRL027J-222	OMF RESISTOR	2.2kΩ 2W J	
R1110	QRL027J-222	OMF RESISTOR	2.2kΩ 2W J	
R1111	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R1112	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R1113	NRSA63F-393X	MG RESISTOR	39kΩ 1/16W F	
R1115	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1116	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
⚠ R1117	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1118	NRSA63F-473X	MG RESISTOR	47kΩ 1/16W F	
R1171	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R1201	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1202	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1205	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1207	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1210	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1214	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1215	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R1216	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1217	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1232	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1233	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1234	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1252	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1253	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1254	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1255	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1257	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1258	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1261	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1262	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1264	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1265	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R1266	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1267	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R1268	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1269	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1270	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1305	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1306	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1307	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1309	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1310	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1311	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1315	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R1316	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1317	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1318	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1319	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1331	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1332	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1333	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1334	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1352	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1353	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1354	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1355	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1356	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1357	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1358	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1361	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1362	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1364	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1365	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R1366	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1367	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R1368	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1369	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1370	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1403	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1405	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1406	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1407	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1408	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1410	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1411	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1414	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1415	NRSA63F-822X	MG RESISTOR	8.2kΩ 1/16W F	
R1416	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1417	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1433	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1434	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1435	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1452	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1453	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1454	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1455	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1456	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1457	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1458	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1461	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1462	NRS144J-560X	MG RESISTOR	56Ω 1/4W J	
R1464	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1465	NRS125J-220X	MG RESISTOR	22Ω 1/2W J	
R1466	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R1467	NRS125J-103X	MG RESISTOR	10kΩ 1/2W J	
R1468	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1469	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1470	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9261	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9262	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9263	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9264	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9361	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9362	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9363	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9364	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9461	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R9462	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9463	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9464	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9861	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R9862	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
L261	QQL77AK-220	COIL	22uH K	
L361	QQL77AK-220	COIL	22uH K	
L461	QQL77AK-220	COIL	22uH K	
L861	QQL77AK-220	COIL	22uH K	
⚠ L1101	QQL78AK-220	COIL	22uH K	
⚠ L1102	QQL78AK-220	COIL	22uH K	
L1261	QQL77AK-220	COIL	22uH K	
L1361	QQL77AK-220	COIL	22uH K	
L1461	QQL77AK-220	COIL	22uH K	
CN101	QGA2001C1-04	CONNECTOR	W-B (1-4)	
CN102	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
CN103	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN104	QJK016-071002-E	SIN CR C-B WIRE		
CN105	QGA2001C1-05	CONNECTOR	W-B (1-5)	
CN106	QGA3901C1-08	CONNECTOR	W-B (1-8)	
CN111	QGA3901C1-03	CONNECTOR	W-B (1-3)	
CN114	QGA2001F1-07	CONNECTOR	W-B (1-7)	
CN115	QJK016-051000-E	SIN CR C-B WIRE		
CN130	QJK016-113401-E	SIN CR C-B WIRE		
CN131	QJK016-093604-E	SIN CR C-B WIRE		
CN152	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN201	QGA2501C1-07	CONNECTOR	W-B (1-7)	
CN222	QGB2510J1-14	CONNECTOR	B-B (1-14)	
CN251	QJK015-063601-E	SIN CR C-B WIRE		
CN252	QJK015-084203-E	SIN CR C-B WIRE		
CN301	QGB2510K1-17	CONNECTOR	B-B (1-17)	
CN302	QGB2510J1-17	CONNECTOR	B-B (1-17)	
CN311	QGA2001F1-03	CONNECTOR	W-B (1-3)	
CN312	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN313	QGA2001C1-04	CONNECTOR	W-B (1-4)	
CN321	QJK016-030903-E	SIN CR C-B WIRE		
CN322	QJK002-021002-E	SIN CR C-B WIRE		
CN351	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN401	QGB2510K1-16	CONNECTOR	B-B (1-16)	
CN402	QGB2510J1-16	CONNECTOR	B-B (1-16)	
CN411	QGA2501F1-03	CONNECTOR	W-B (1-3)	
CN412	QGA2501F1-04	CONNECTOR	W-B (1-4)	
CN413	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN421	QJK002-031803-E	SIN CR C-B WIRE		
CN422	QJK002-041404-E	SIN TWIST WIRE		
CN423	QJK002-021002-E	SIN CR C-B WIRE		
CN602	QGB2510K1-07	CONNECTOR	B-B (1-7)	
CN672	QGB2510K1-07	CONNECTOR	B-B (1-7)	
EP101	QNZ0136-001Z	EARTH PLATE		
EP102	QNZ0136-001Z	EARTH PLATE		
EP201	QNZ0136-001Z	EARTH PLATE		
FC101	QNG0020-001Z	FUSE CLIP		
FC102	QNG0020-001Z	FUSE CLIP		
FC111	QNG0020-001Z	FUSE CLIP		
FC112	QNG0020-001Z	FUSE CLIP		
FS124	VYSH101-009	SPACER		
FS125	VYSH101-009	SPACER		
FS126	VYSH101-009	SPACER		
FS127	VYSH101-009	SPACER		
FS221	VYSH101-009	SPACER		
FS222	VYSH101-009	SPACER		
FW240	WJS0048-002A-E	E-FL/RBWIRE*C-F		
FW323	WJS0047-002A-E	E-FL/RB WIRE		
HS101	E70306-001	HEAT SINK	HS 951	
HS102	E70306-001	HEAT SINK	HS 951	
HS107	E70306-001	HEAT SINK	HS 951	
HS108	E70306-001	HEAT SINK	HS 951	
HS151	E70306-001	HEAT SINK	HS 951	
HS152	E70306-001	HEAT SINK	HS 951	
HS153	E70306-001	HEAT SINK	HS 951	
HS157	E70306-001	HEAT SINK	HS 951	
HS158	E70306-001	HEAT SINK	HS 951	
RY300	QSK0127-001	RELAY		
⚠ TH101	QAD0095-4R7Z	P THERMISTOR	4.7Ω M	
TH271	QAD0146-103	N THERMISTOR	10kΩ	
WR222	QUB220-07A2A2-E	SIN TWIST WIRE		

Input board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW601	QUB220-08DMHP-E	SIN TWIST WIRE		
IC11	DIT4096IPW-X	IC(DIGITAL)		
IC501	MN101C49GNP	IC(MCU)		
IC502	BD3843FS-X	IC		
IC503	BD3813KS	IC		
IC504	NJM4565M-WE	IC		
IC506	IC-PST9139-T	IC		
IC507	BR24L01AF-W-X	IC		
IC508	BD3812F-X	IC		
IC522	MM1117XF-XE	IC		
IC524	MM1501XN-X	IC		
IC525	MM1501XN-X	IC		
IC527	MM1118XF-X	IC		
IC530	MM1503XN-X	IC		
IC531	MM1501XN-X	IC		
IC532	MM1501XN-X	IC		
IC533	MM1504XN-X	IC		
IC534	MM1506XN-X	IC		
IC535	MM1506XN-X	IC		
IC536	MM1502XN-X	IC		
IC537	MM1504XN-X	IC		
IC551	TC90A49AP	IC		
IC559	MM1093NF-X	IC		
IC561	TA1270BFG	IC		
IC601	NJM4565M-WE	IC		
IC602	NJM4565M-WE	IC		
IC611	NJM4565M-WE	IC		
IC612	NJM4565M-WE	IC		
IC613	NJM4565M-WE	IC		
IC614	NJM4565M-WE	IC		
IC621	NJM4565M-WE	IC		
IC622	NJM4565M-WE	IC		
IC631	NJM2120M-X	IC		
IC632	NJM4565M-WE	IC		
IC633	NJM4565M-WE	IC		
IC634	NJM4565M-WE	IC		
IC651	NJM4565M-WE	IC		
IC652	NJM4565M-WE	IC		
IC661	DSPC56371AF180	IC		
IC662	SN74AHC2GU04T-X	IC		
IC667	CS42518-CQZ-C-W	IC		
IC671	UPD784217AGC331	IC(MICRO C ROM)		
IC672	SN74AHCT1G32K-X	IC		
IC673	SN74LVC1G04K-X	IC		
IC681	JCV8009-W	IC		
IC682	MN35505-X	IC		
IC683	SN74AHC2G74T-X	IC		
IC684	SN74LVC2G241T-X	IC		
IC691	BD7800FP-X	IC		
IC692	MM1563DF-X	IC		
IC903	PCM2704DB-X	IC		
IC904	SN74AHC1G08V-X	IC		
Q501	2SC3576-JVC-T	TRANSISTOR		
Q502	2SC3576-JVC-T	TRANSISTOR		
Q503	KRA104S-X	DIGI TRANSISTOR		
Q510	KRC102S-X	DIGI TRANSISTOR		
Q511	KRA104S-X	DIGI TRANSISTOR		
Q512	KRA104S-X	DIGI TRANSISTOR		
Q513	2SC3576-JVC-T	TRANSISTOR		
Q514	2SC3576-JVC-T	TRANSISTOR		
Q515	2SC3576-JVC-T	TRANSISTOR		
Q516	2SC3576-JVC-T	TRANSISTOR		
Q517	2SC3576-JVC-T	TRANSISTOR		
Q518	2SC3576-JVC-T	TRANSISTOR		
Q519	2SC3576-JVC-T	TRANSISTOR		
Q521	2SC3576-JVC-T	TRANSISTOR		
Q522	2SC3576-JVC-T	TRANSISTOR		
Q523	KRA104S-X	DIGI TRANSISTOR		
Q524	KTC3875/YG/-X	SI TRANSISTOR		
Q525	2SC3576-JVC-T	TRANSISTOR		
Q526	2SC3576-JVC-T	TRANSISTOR		
Q541	KTC3199/GL/-T	TRANSISTOR		

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q542	KTC3199/GL/-T	TRANSISTOR		
Q1501	2SC2412K/RS/-X	TRANSISTOR		
Q2101	2SD2114K/VW/-X	TRANSISTOR		
Q2102	2SD2114K/VW/-X	TRANSISTOR		
Q2141	2SD601A/RS/-X	TRANSISTOR		
Q2142	2SD601A/RS/-X	TRANSISTOR		
Q2201	2SD2114K/VW/-X	TRANSISTOR		
Q2202	2SD2114K/VW/-X	TRANSISTOR		
Q2221	2SD2114K/VW/-X	TRANSISTOR		
Q2222	2SD2114K/VW/-X	TRANSISTOR		
Q2223	2SD2114K/VW/-X	TRANSISTOR		
Q2224	2SD2114K/VW/-X	TRANSISTOR		
Q2301	2SD2114K/VW/-X	TRANSISTOR		
Q2341	2SD601A/RS/-X	TRANSISTOR		
Q2401	2SD2114K/VW/-X	TRANSISTOR		
Q2421	2SD2114K/VW/-X	TRANSISTOR		
Q2422	2SD2114K/VW/-X	TRANSISTOR		
Q2501	2SD2114K/VW/-X	TRANSISTOR		
Q2502	2SD2114K/VW/-X	TRANSISTOR		
Q2701	KRC107S-X	DIGI TRANSISTOR		
Q2702	KRC107S-X	DIGI TRANSISTOR		
Q2703	KRC107S-X	DIGI TRANSISTOR		
Q2704	KRA107S-X	DIGI TRANSISTOR		
Q2705	KRA107S-X	DIGI TRANSISTOR		
Q2706	KRA107S-X	DIGI TRANSISTOR		
Q2708	KRA107S-X	DIGI TRANSISTOR		
Q2709	KRA107S-X	DIGI TRANSISTOR		
Q2710	KRC107S-X	DIGI TRANSISTOR		
Q4501	KTA1267/YG/-T	TRANSISTOR		
Q4502	KTA1267/YG/-T	TRANSISTOR		
Q4503	KRA120S-X	TRANSISTOR		
Q4521	2SA1037AK/RS/-X	TRANSISTOR		
Q4522	2SC2412K/RS/-X	TRANSISTOR		
Q4523	2SA1037AK/RS/-X	TRANSISTOR		
Q4524	2SC2412K/RS/-X	TRANSISTOR		
Q4525	2SA1037AK/RS/-X	TRANSISTOR		
Q4526	2SC2412K/RS/-X	TRANSISTOR		
Q4528	2SA1037AK/RS/-X	TRANSISTOR		
Q4529	2SA1037AK/RS/-X	TRANSISTOR		
Q4530	2SC2412K/RS/-X	TRANSISTOR		
Q5521	KTC3199/GL/-T	TRANSISTOR		
Q5522	KTC3199/GL/-T	TRANSISTOR		
Q5531	2SC2412K/RS/-X	TRANSISTOR		
Q5532	2SC2412K/RS/-X	TRANSISTOR		
Q6511	KRA121S-X	DIGI TRANSISTOR		
Q6512	KTA1267/YG/-T	TRANSISTOR		
Q6513	KRA121S-X	DIGI TRANSISTOR		
Q6514	KTA1267/YG/-T	TRANSISTOR		
Q6515	KRA121S-X	DIGI TRANSISTOR		
Q6516	KTA1267/YG/-T	TRANSISTOR		
Q6517	KRA121S-X	DIGI TRANSISTOR		
Q6518	KTA1267/YG/-T	TRANSISTOR		
Q6519	KRA121S-X	DIGI TRANSISTOR		
Q6520	KTA1267/YG/-T	TRANSISTOR		
Q6521	KRA121S-X	DIGI TRANSISTOR		
Q6522	KTA1267/YG/-T	TRANSISTOR		
Q6523	KRA121S-X	DIGI TRANSISTOR		
Q6524	KTA1267/YG/-T	TRANSISTOR		
Q6525	KRA121S-X	DIGI TRANSISTOR		
Q6526	KTA1267/YG/-T	TRANSISTOR		
Q6527	KRA121S-X	DIGI TRANSISTOR		
Q6528	KTA1267/YG/-T	TRANSISTOR		
Q6529	KRA121S-X	DIGI TRANSISTOR		
Q6530	KRA121S-X	DIGI TRANSISTOR		
Q6531	KRA121S-X	DIGI TRANSISTOR		
Q6535	KRC102S-X	DIGI TRANSISTOR		
Q6536	KRC102S-X	DIGI TRANSISTOR		
Q6537	KRC102S-X	DIGI TRANSISTOR		
Q6538	KRC102S-X	DIGI TRANSISTOR		
Q6541	2SA1037AK/RS/-X	TRANSISTOR		
Q6542	2SA1037AK/RS/-X	TRANSISTOR		
Q6543	2SA1037AK/RS/-X	TRANSISTOR		
D501	1N4448WS-X	SI DIODE		
D503	1N4448WS-X	SI DIODE		
D505	1N4448WS-X	SI DIODE		
D506	1N4448WS-X	SI DIODE		
D507	1N4448WS-X	SI DIODE		
D508	1N4448WS-X	SI DIODE		
D509	1N4448WS-X	SI DIODE		
D510	1N4448WS-X	SI DIODE		
D9001	SML-310PT/KL/-X	LED		
C522	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C523	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C524	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C525	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C526	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C527	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
C528	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C529	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C530	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C531	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C532	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C534	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C536	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C537	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C538	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C539	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C540	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C541	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C542	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C545	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C546	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C547	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C548	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C549	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C550	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C551	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C552	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C553	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C554	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C555	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C556	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C557	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C558	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C559	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C561	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C562	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C563	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C564	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C577	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C581	QEKC1CM-106Z	E CAPACITOR	10uF 16V M	
C597	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C941	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C942	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C943	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C944	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C945	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C946	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C947	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C948	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C949	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C959	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C960	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C961	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C962	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1504	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C1551	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C1552	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1581	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1582	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2001	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2002	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2005	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2006	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2013	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2014	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2018	QETN1AM-476Z	E CAPACITOR	47uF 10V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2101	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2102	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2109	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2110	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2113	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2114	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2115	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2116	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2129	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2133	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2134	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2139	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2140	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2141	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2143	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2144	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2149	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2150	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2161	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2162	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2163	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C2164	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C2165	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2166	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2167	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2168	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2201	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2202	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2209	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2210	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2229	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2230	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2243	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C2244	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C2245	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2246	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2249	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2250	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2281	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2282	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2283	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2284	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2285	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2286	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2287	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C2288	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C2301	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2309	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2323	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C2325	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2343	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C2349	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2382	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2383	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2385	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2387	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C2401	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2409	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2423	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2425	QFN31HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2429	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2433	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2435	QFN31HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2449	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2483	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2485	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2487	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C2501	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2502	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2509	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2510	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2541	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2542	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2543	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C2544	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C2545	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2546	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2547	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2549	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2550	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2583	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2584	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2585	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2586	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2587	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C2588	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C2601	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C2606	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2614	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2641	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2642	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2671	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2672	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2673	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2674	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2675	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2676	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2677	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2678	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M	
C2679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2680	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C2681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2683	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C2684	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2688	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2690	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2691	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2694	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C2701	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C2702	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2703	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2731	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2751	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2771	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2801	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2811	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C2812	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C2813	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2814	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2815	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2816	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2817	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2819	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C2820	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2831	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2861	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2863	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2866	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2867	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C2868	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C2869	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C2881	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2882	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2883	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2884	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2885	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2901	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2902	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2903	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2911	QETN0JM-227Z	E CAPACITOR	220uF 6.3V M	
C2921	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C2922	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2923	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C2924	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2925	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2926	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2951	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2952	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2953	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2954	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2955	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4543	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C4544	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4545	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C4546	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C4547	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4548	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4549	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4550	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C4551	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4553	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4554	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C4555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4556	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C4557	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C4558	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C4559	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4560	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4562	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4563	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C4565	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C4568	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C4570	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4574	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4580	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4581	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4582	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4583	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4584	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4586	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4587	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4588	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C4589	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4590	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4591	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4592	QEKC1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4593	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4594	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C4595	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4596	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4597	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4598	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5503	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C5505	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C5506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5509	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C5510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5513	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C5514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5515	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C5517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5530	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5536	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5538	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5539	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C5540	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C5541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5542	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C5543	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5545	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C5548	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5549	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5550	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5553	QEKC1HM-224Z	E CAPACITOR	0.22uF 50V M	
C5558	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5560	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5561	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5562	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5563	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5576	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5577	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5592	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C6501	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6502	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6503	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6504	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6506	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6507	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6508	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6509	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6510	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6511	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6512	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6513	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6514	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6515	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6516	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6517	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6518	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6519	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6520	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6524	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6526	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C6528	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C6529	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6530	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6531	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6533	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6535	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C6537	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C6538	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6539	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6540	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6542	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6545	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6547	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C6549	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6556	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C6557	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C6558	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C6561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6564	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6566	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C6567	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6569	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6574	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6575	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C6599	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C9002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R501	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
R502	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R505	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R506	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R561	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R563	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R564	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R565	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R566	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R567	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R568	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R569	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R570	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R571	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R572	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R573	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R574	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R575	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R576	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R577	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R579	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R585	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R586	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R587	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R593	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R594	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R595	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R596	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R598	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R961	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R962	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R963	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R964	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R965	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R966	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R968	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R969	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R970	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R972	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R973	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R974	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	
R1501	QRZ9015-2R2X	FUSI RESISTOR	2.2Ω	
R1502	QRZ9015-2R2X	FUSI RESISTOR	2.2Ω	
R1503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1507	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1508	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1513	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1519	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1520	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1521	NRSA63J-133X	MG RESISTOR	13kΩ 1/16W J	
R1522	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1524	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1525	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1526	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1527	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1529	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1530	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1543	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1544	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1545	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1551	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R1552	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1553	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1556	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1557	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1566	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1567	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1571	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R1572	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R1573	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1579	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1580	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1581	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1582	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1583	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1584	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1589	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1590	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1592	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1593	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1594	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1595	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1596	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1599	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2003	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2004	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2007	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2008	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2011	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2012	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2014	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2017	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2018	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2021	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2022	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2023	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2103	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2109	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2110	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2114	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2121	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2122	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2123	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2128	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2131	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2132	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2133	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2134	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2135	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2136	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2137	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2138	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2140	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2141	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2145	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2146	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2149	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2150	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2162	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2163	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R2164	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R2165	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2166	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2167	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2168	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2169	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2170	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2171	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2172	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2173	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2174	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2175	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2176	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2181	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2203	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2204	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2209	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2210	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2221	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R2222	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R2223	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2224	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2225	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R2226	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R2227	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2241	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2242	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2244	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2249	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2250	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2281	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2282	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2283	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2284	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2285	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2286	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2287	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2288	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2289	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2290	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2291	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2292	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2321	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2323	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2341	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2345	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2347	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2349	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2381	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2383	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2385	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2387	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2389	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2391	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2409	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2411	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2412	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2421	NRSA63J-112X	MG RESISTOR	1.1kΩ 1/16W J	
R2422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2423	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2427	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2433	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2434	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2435	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2449	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2481	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2483	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2485	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2487	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2489	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2491	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2502	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2509	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2544	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2549	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2550	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2583	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2584	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2585	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2586	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2587	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2588	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R2589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2590	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2591	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2592	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2601	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2602	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2603	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2604	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2606	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2614	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2626	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2627	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2628	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2629	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2635	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2636	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2637	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2638	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2639	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2671	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2673	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2681	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2682	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2684	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2685	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2686	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2701	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2703	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2705	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2706	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2707	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2724	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2725	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2726	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2727	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2728	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2731	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2732	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2733	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2734	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2735	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2736	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2737	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2738	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2739	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2740	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2741	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2742	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2743	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2744	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2745	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2761	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2762	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2763	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2772	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2773	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2801	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2802	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2803	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2811	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2812	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2813	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2815	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2819	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2831	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2832	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2833	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2861	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2862	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2863	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2864	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2865	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2866	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2871	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2872	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2873	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2874	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2875	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2921	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2922	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2930	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2932	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2933	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2936	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2937	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2940	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2941	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2942	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2947	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4501	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4502	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R4504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4541	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4542	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4543	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4544	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4545	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4546	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4547	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R4548	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4549	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4556	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4557	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4559	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4560	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4563	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4564	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4579	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4580	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4581	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R4582	NRSA63J-112X	MG RESISTOR	1.1kΩ 1/16W J	
R4583	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R4584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4585	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4586	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4587	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4590	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4591	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4592	NRSA63J-133X	MG RESISTOR	13kΩ 1/16W J	
R4593	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R4596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4597	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5501	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R5502	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
R5504	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R5506	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5529	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5536	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5537	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R5538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5539	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5540	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R5541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5542	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5565	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5566	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5567	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5569	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5570	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5581	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R5582	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5583	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R5584	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5585	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5586	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R5587	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6502	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6505	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6507	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6510	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6511	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6512	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6513	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6517	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6518	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6519	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6520	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6521	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6522	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6525	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6526	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6527	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6529	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6530	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6531	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6534	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6535	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6536	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6539	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6542	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6544	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6545	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6546	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6548	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6549	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6550	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6551	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R6552	NRS144J-271X	MG RESISTOR	270Ω 1/4W J	
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6554	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6556	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R6557	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6559	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R6560	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6562	NRS144J-271X	MG RESISTOR	270Ω 1/4W J	
R6563	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6565	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R6566	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6567	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6568	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R6569	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6571	NRS144J-271X	MG RESISTOR	270Ω 1/4W J	
R6572	QRZ9015-2R2X	FUSI RESISTOR	2.2Ω	
R6573	QRJ146J-1R0X	UNF C RESISTOR	1Ω 1/4W J	
R6574	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	
R6576	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6577	NRS144J-301X	MG RESISTOR	300Ω 1/4W J	

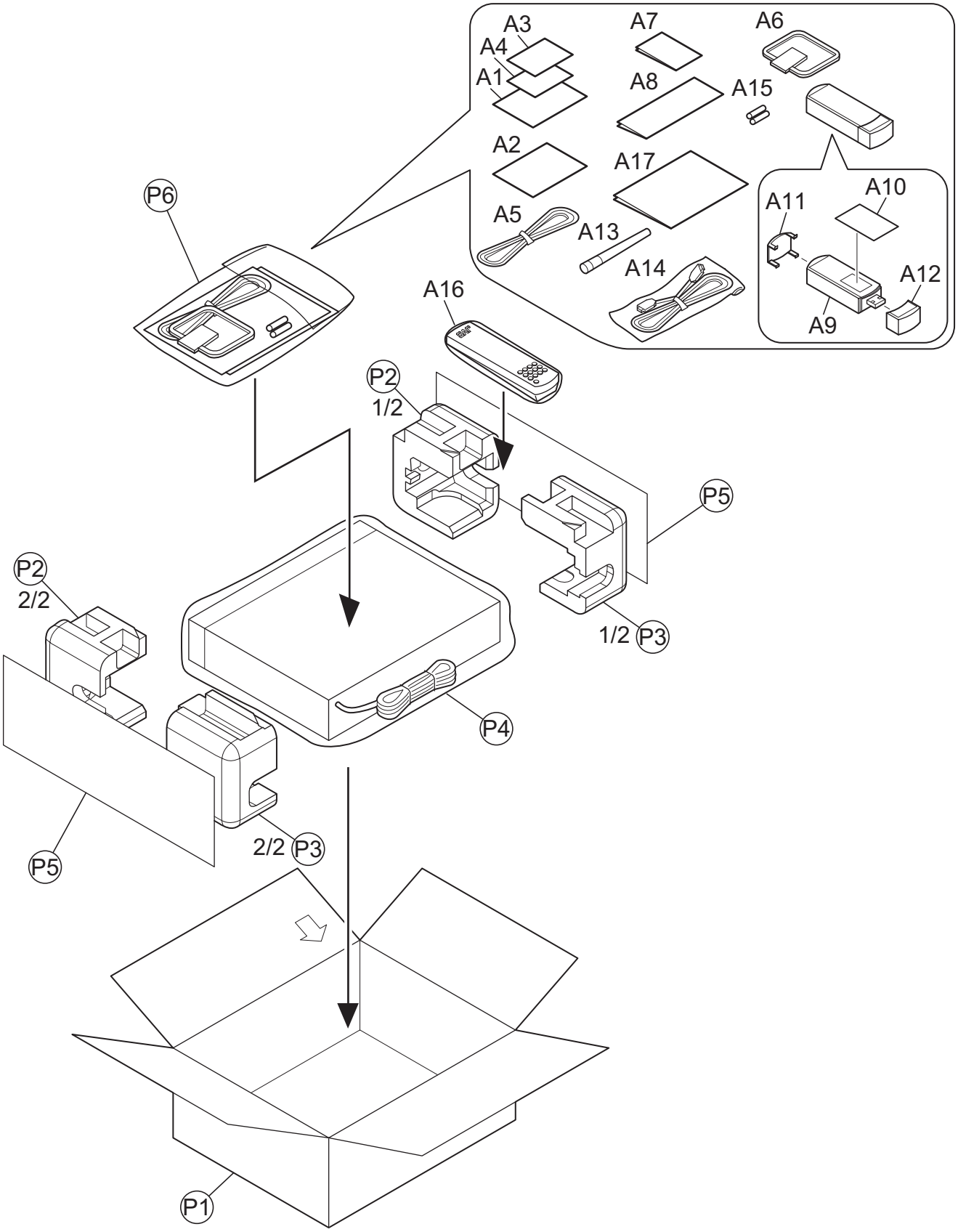
⚠ Symbol No.	Part No.	Part Name	Description	Local
R6580	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6581	NRSA63J-133X	MG RESISTOR	13kΩ 1/16W J	
R6582	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6583	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6584	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6585	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6586	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6590	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6591	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6592	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6593	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6594	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6597	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9002	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9003	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9004	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9005	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9006	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9007	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9008	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9009	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9010	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9011	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9012	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9013	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9014	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9015	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9016	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9022	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9023	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9024	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9025	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9026	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
L901	NQL085J-100X	COIL	10uH J	
L4501	NQL085J-220X	COIL	22uH J	
L4502	NQL085J-100X	COIL	10uH J	
L4503	NQL085J-100X	COIL	10uH J	
L4504	NQL085J-100X	COIL	10uH J	
L4505	NQL085J-100X	COIL	10uH J	
L4506	NQL085J-6R8X	COIL	6.8uH J	
L4507	NQL085J-6R8X	COIL	6.8uH J	
CN11	WJP0072-001A-E	E-SH C WIRE C-B		
CN12	QGG1201M1-24X	CONNECTOR	(1-24)	
CN13	QGG1201M1-24X	CONNECTOR	(1-24)	
CN502	QGB2510J1-07	CONNECTOR	B-B (1-7)	
CN503	QJK002-141804-E	SIN CR C-B WIRE		
CN505	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN509	QJK002-061401-E	SIN CR C-B WIRE		
CN513	QGA2501F1-14	CONNECTOR	W-B (1-14)	
CN521	QJK002-092804-E	SIN CR C-B WIRE		
CN522	QGB2510K1-14	CONNECTOR	B-B (1-14)	
CN523	QJK002-021002-E	SIN CR C-B WIRE		
CN530	QGA2001C1-11	CONNECTOR	W-B (1-11)	
CN531	QGA2001C1-09	CONNECTOR	W-B (1-9)	
CN540	QGA2001C1-06	CONNECTOR	W-B (1-6)	
CN552	QGA2001C1-12	CONNECTOR	W-B (1-12)	
CN555	QJK002-022402-E	SIN CR C-B WIRE		
CN581	QGB2510J1-09	CONNECTOR	B-B (1-9)	
CN582	QGB2510J1-09	CONNECTOR	B-B (1-9)	
CN583	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN584	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN661	QGA2501F1-03	CONNECTOR	W-B (1-3)	
CN662	QGA2501F1-05	CONNECTOR	W-B (1-5)	
CN681	QGB2510J1-07	CONNECTOR	B-B (1-7)	
CN682	QGA2001F1-06	CONNECTOR	W-B (1-6)	
CN683	QGA2501F1-09	CONNECTOR	W-B (1-9)	
CN904	QJK021-031203-E	WIRE		
CN905	QJP001-032401-E	SHI CR C-B WIRE		
CN961	QJP001-034201-E	SHI CR C-B WIRE		
EP11	E409182-001SM	GRAND TERMINAL		
EP12	E409182-001SM	GRAND TERMINAL		
EP681	E409182-001SM	GRAND TERMINAL		
EP682	QNZ0136-001Z	EARTH PLATE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
EP901	QNZ0136-001Z	EARTH PLATE		
FL501	QQR1372-001	LPF		
FL502	QQR1372-001	LPF		
FW501	WJS0048-003A-E	E-FL/RB WIRE		
J681	QNN0481-001	SURROUND JACK		
J901	QNS0247-001	JACK		
J903	QNZ0522-001	USB CONNECTOR		
J4503	QNN0681-001	PIN JACK		
J6501	QNN0476-001	PIN JACK		
J6502	QNN0476-001	PIN JACK		
J6503	QNN0476-001	PIN JACK		
J6504	QNN0690-001	PIN JACK		
J6511	QNN0570-001	PIN JACK		
J6512	QNN0570-001	PIN JACK		
J6513	QNN0570-001	PIN JACK		
K2801	NQR0007-003X	FERRITE BEADS		
K2802	NQR0007-003X	FERRITE BEADS		
K2803	NQR0007-003X	FERRITE BEADS		
K2804	NQR0007-003X	FERRITE BEADS		
K2861	NQR0269-004X	FERRITE BEADS		
K4501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
SW11	QSW0454-001	SW		
UN682	TORX177	OPT RECEIVER		
UN683	TORX177	OPT RECEIVER		
UN686	TOTX177	OPT RECEIVER		
WR510	QUB342-05A2A4-E	SIN WIRE		D301SJ, D302BC
WR511	QUB342-05A2A4-E	SIN WIRE		D301SJ, D302BC
WR520	QUB221-04A2A2-E	WIRE		D301SJ, D302BC
X501	QAX0246-001Z	C RESONATOR	8.00MHz	
X661	QAX0722-001Z	CRYSTAL	24.576MHz	
X671	QAX0719-001Z	C RESONATOR	6.144MHz	
X905	QAX0320-001Z	CRYSTAL	12.000MHz	
X5502	QAX0880-001Z	CRYSTAL		
X5504	QAX0687-001	C RESONATOR	503.50kHz	
X5505	QAX0880-001Z	CRYSTAL		

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	LVT1321-002A	INST BOOK	ENG FRE	D302BC
	A 1	LVT1321-001A	INST BOOK	ENG	D301SJ,D302BJ
	A 2	LV44373-001A	CUSTOM PARTS		D301SJ,D302BJ
	A 3	LV44390-001A	CUSTOM PARTS		D301SJ,D302BJ
	A 4	LV44395-001A	CUSTOM PARTS		D301SJ,D302BJ
	A 5	QAL0457-001	ANT.WIRE		
	A 6	QAL0476-002	AM LOOP ANT		
	A 7	BT-51034-2	REGISTRATION CARD		D301SJ,D302BJ
	A 8	YU20333	SAFETY INST.		
	A 9	QAL0708-001	LAN MODULE		
	A 10	LV44338-001A	LABEL		
	A 11	QZW0165-001	COVER		
	A 12	QZW0166-001	COVER		
	A 13	QAL0706-001	ANTENNA		
	A 14	QAM0733-001	USB CABLE		
	A 15	----------	BATTERY	(x2)	
	A 16	RM-SRXD301J	REMOCON		
	A 17	----------	WARRANTY CARD	BT-52006-2	D302BC
	P 1	LV22030-001A	CARTON BOX		D301SJ
	P 1	LV22030-006A	CARTON BOX		D302BC,D302BJ
	P 2	LV21926-001A	CUSHION(FRONT)		
	P 3	LV21927-001A	CUSHION(REAR)		
	P 4	QPC06507015P	POLY BAG	65cm x 70cm	
	P 5	LV32034-017A	SHEET	(x2)	
	P 6	QPA02503505P	POLY BAG	25cm x 35cm	